

# Power Point Manual

Get On The  
BUS



BrainMaster  
Universe  
Simplified



“focus”  
level 2

# Focus

## Level 2

- How can I modify the artifact threshold to eliminate the effects of artifact (i.e. excessive eye blinking) from effecting training.

# Focus

## Level 2

- The default artifact threshold is set at 240 microvolts which is suitable for most situations.
- However, sometimes clients show up with issues which produce high amplitude artifact such as excessive eye blinking due to contact lenses or dry eye.
- This module shows you how to increase the amplitude of the artifact filter to help accommodate these situations.



FIRST: It is so very simple to make changes and experiment with BrainAvatar Settings Files without concern because if something just doesn't seem to work as planned, you always can reload the original Settings File you downloaded to your system.

Consider manipulating the settings in your working folder as a sandbox. You can always replace it with the original setting file.



# Focus

Level 2

## Lets Begin

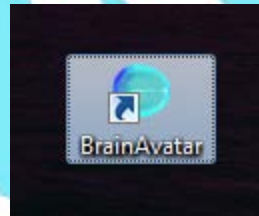
- Make Sure the Atlantis Amplifier is plugged in.



# Focus

## Level 2

- Open BrainAvatar by double-clicking the BrainAvatar Icon

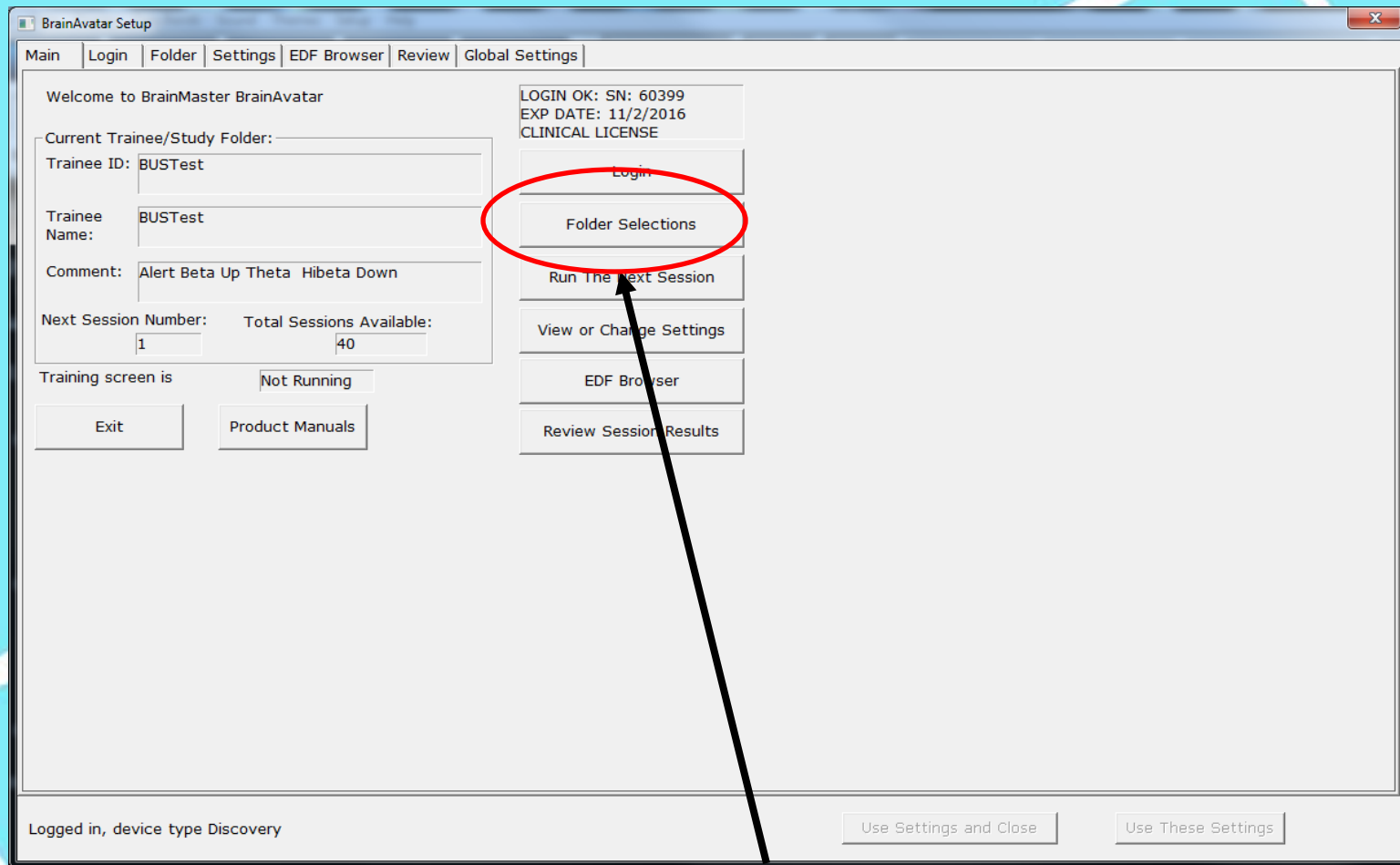




- The Select Folder Screen will appear.
- By now you should know how to either create a new client folder or recall an existing client folder.
- For the purposes of this exercise let's open and utilize the "BUSTest" Folder which may already be resident on your system. If not, then create one.



- The BrainAvatar Setup Window will Appear



- Click “Folder Selections”.

- The Select Folder Screen will appear.

BrainAvatar Setup

Main | Login | Folder | Settings | EDF Browser | Review | Global Settings

Select Folder | Create Folder | Folder Notes | Session Librarian | Edit Folder Info.

Select Folder: (you may double-click to select)

| Study Name | Birth Date | Sess | Max | Comment            | Technician | Physician | Trainee Name | Created  | Modified |
|------------|------------|------|-----|--------------------|------------|-----------|--------------|----------|----------|
| ..         |            |      |     |                    |            |           |              |          |          |
| BUSTest    | 2000-7-4   | 40   |     | Alert Beta Up T... | EEG tech   |           | BUSTest      | 2016-8-3 | 2016-8-3 |

Study Name (Trainee ID):  
BroJad4chPZOKP3P4O1O2

Trainee Name:  
BroJad4chPZOKP3P4O1O2

Comment:  
comment

Sessions Used: 4  
Max Sessions: 40

Session Librarian

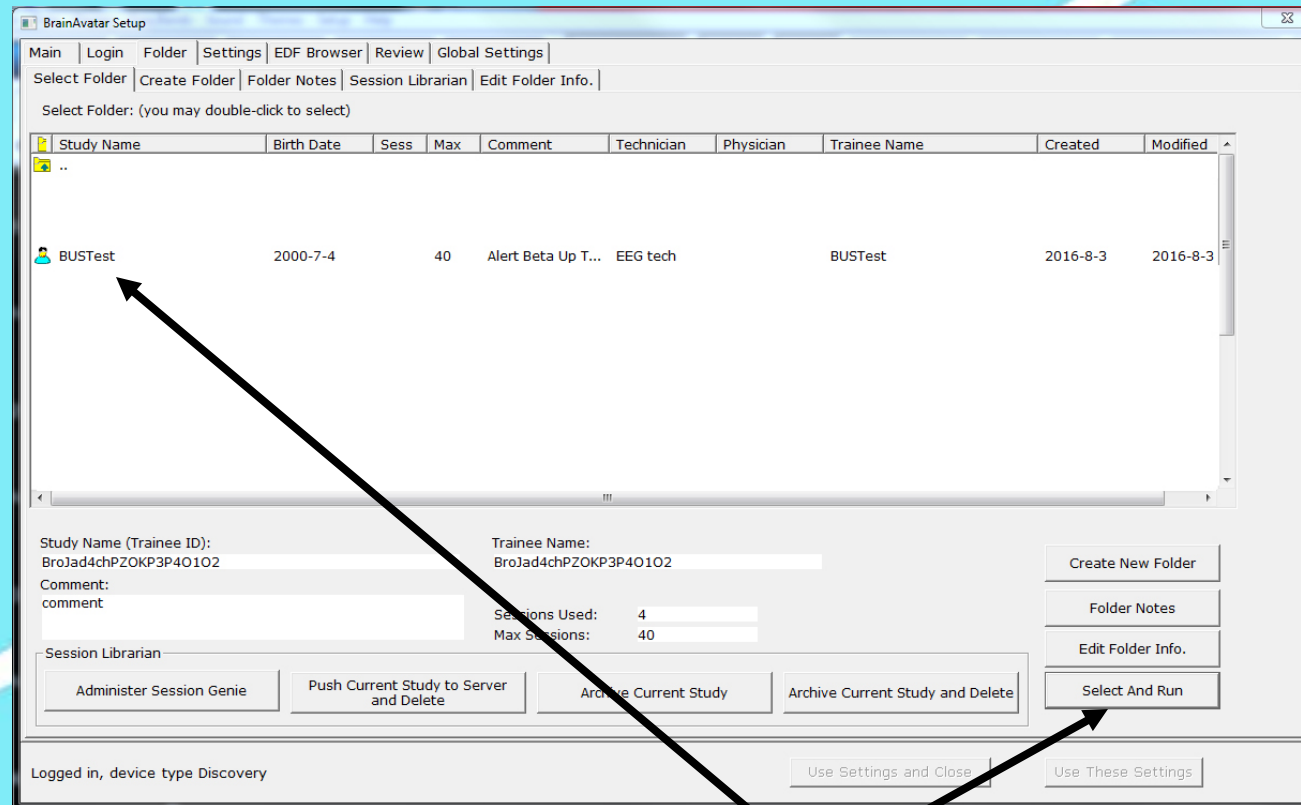
Administer Session Genie | Push Current Study to Server and Delete | Archive Current Study | Archive Current Study and Delete

Create New Folder  
Folder Notes  
Edit Folder Info.  
Select And Run

Logged in, device type Discovery

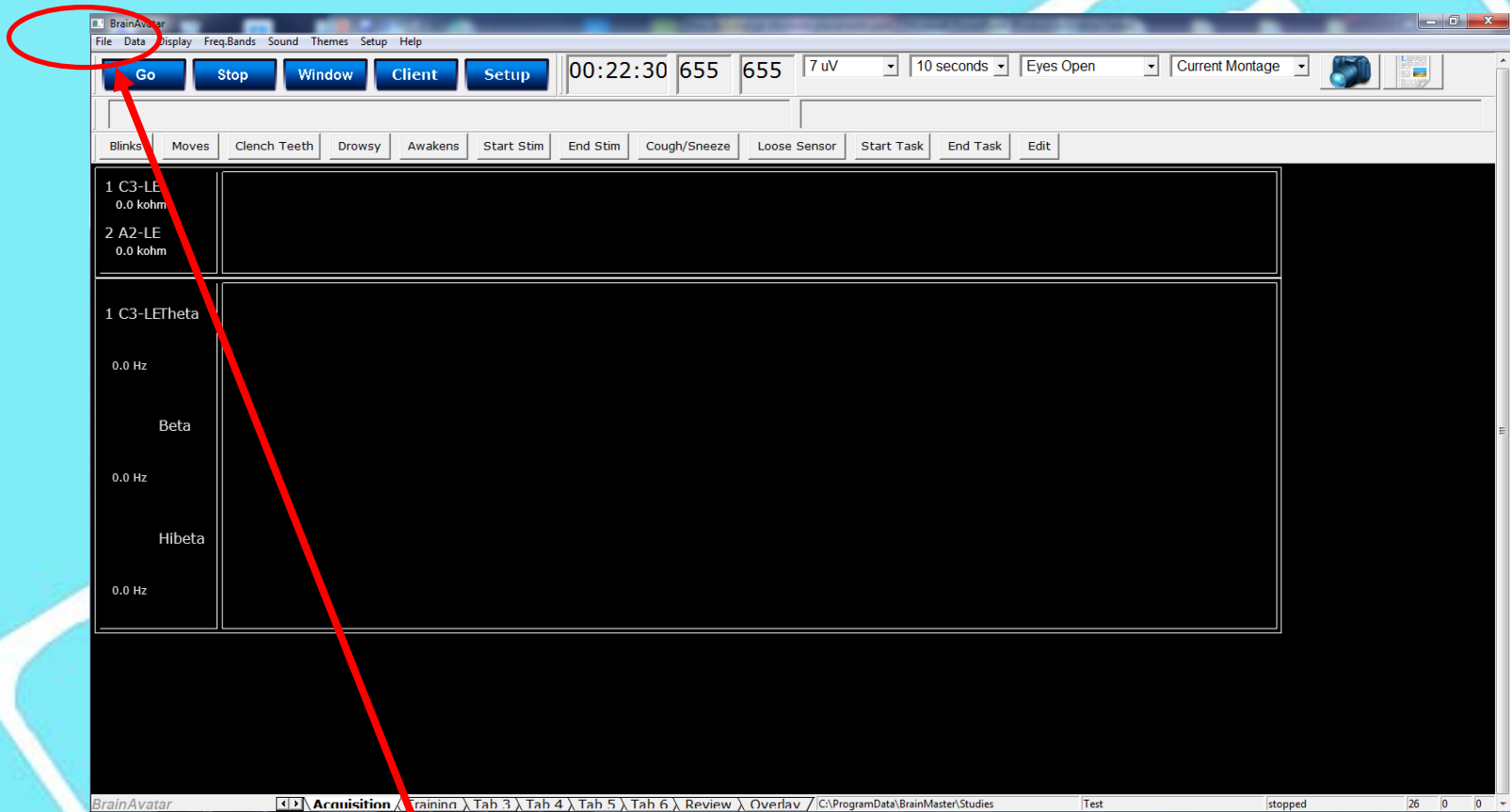
Use Settings and Close | Use These Settings

- The Select Folder Screen will appear.



- Click the Study (Folder) you would like to open (in this case BUSTest) and then click “Select and Run”.

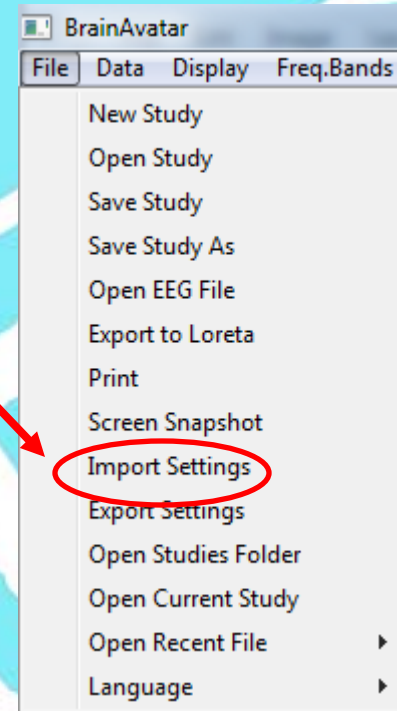
- The BrainAvatar Acquisition Screen is illuminated. Let's load the original Focus Level 1 Setting File.




- Click “File” from the Main Menu at the top.



- Next click “Import Settings”.



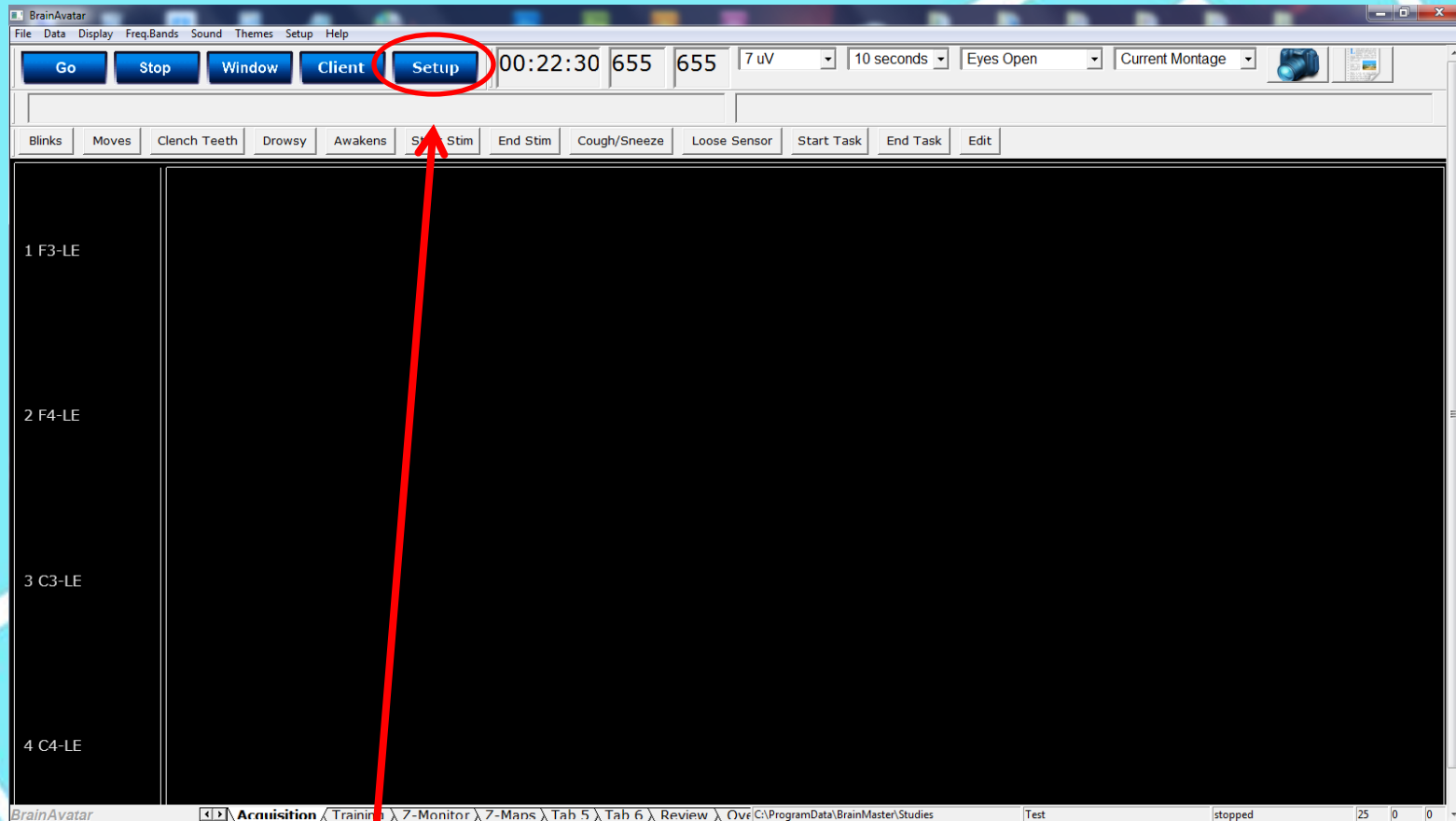
- Scroll to find the original Focus Level 1 File and double click it.

| Name   | Date modified        | Type      | Size   |
|--|----------------------|-----------|--------|
|  0401001Focus.bdb2 | 11/17/2015 12:56 ... | BDB2 File | 142 KB |

- The original Focus Level 1 setting is imported into the Client’s Study and is now ready for modification.

# Focus

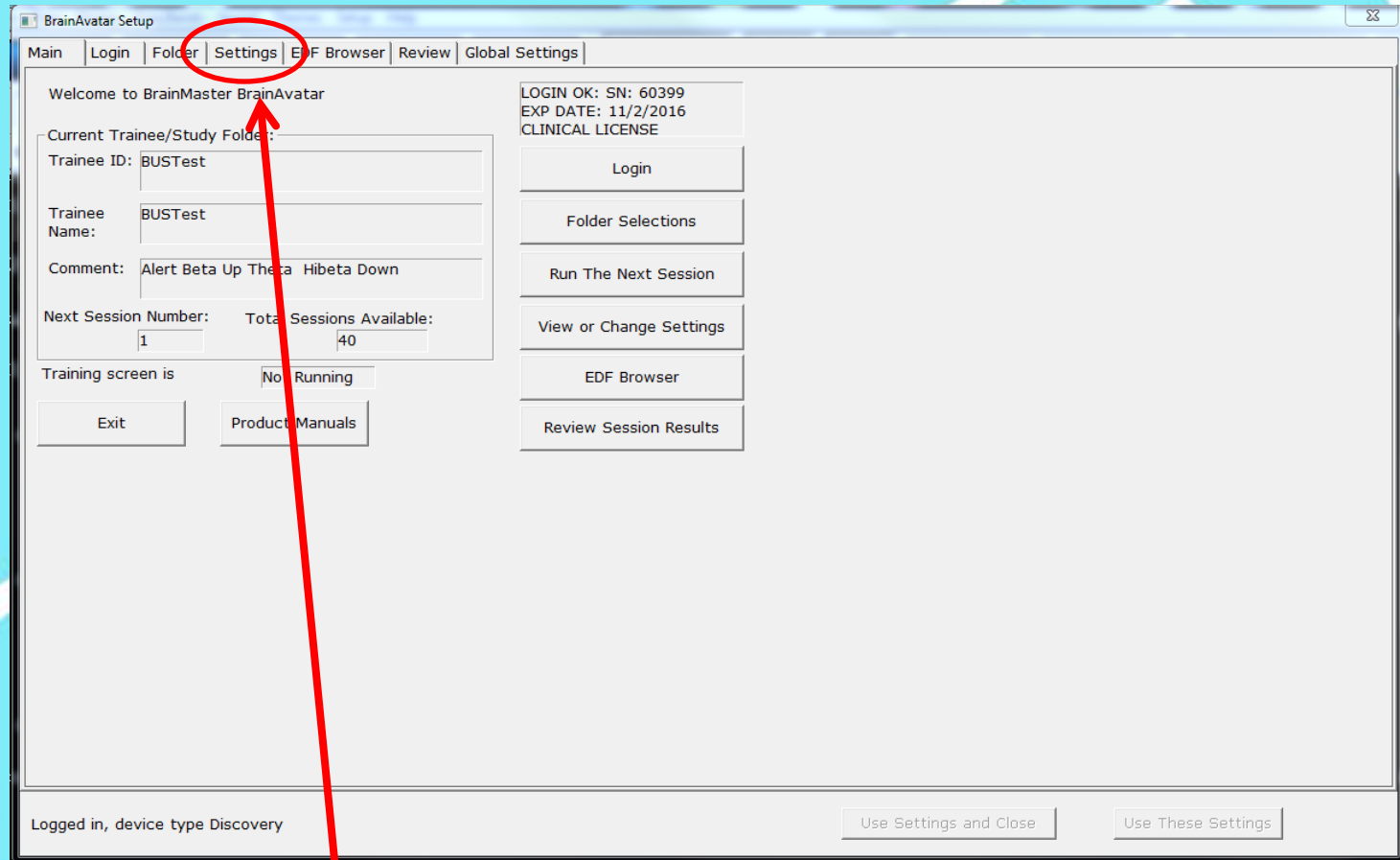
The Protocol is now ready for Modification



- Click “Setup”.

# Focus

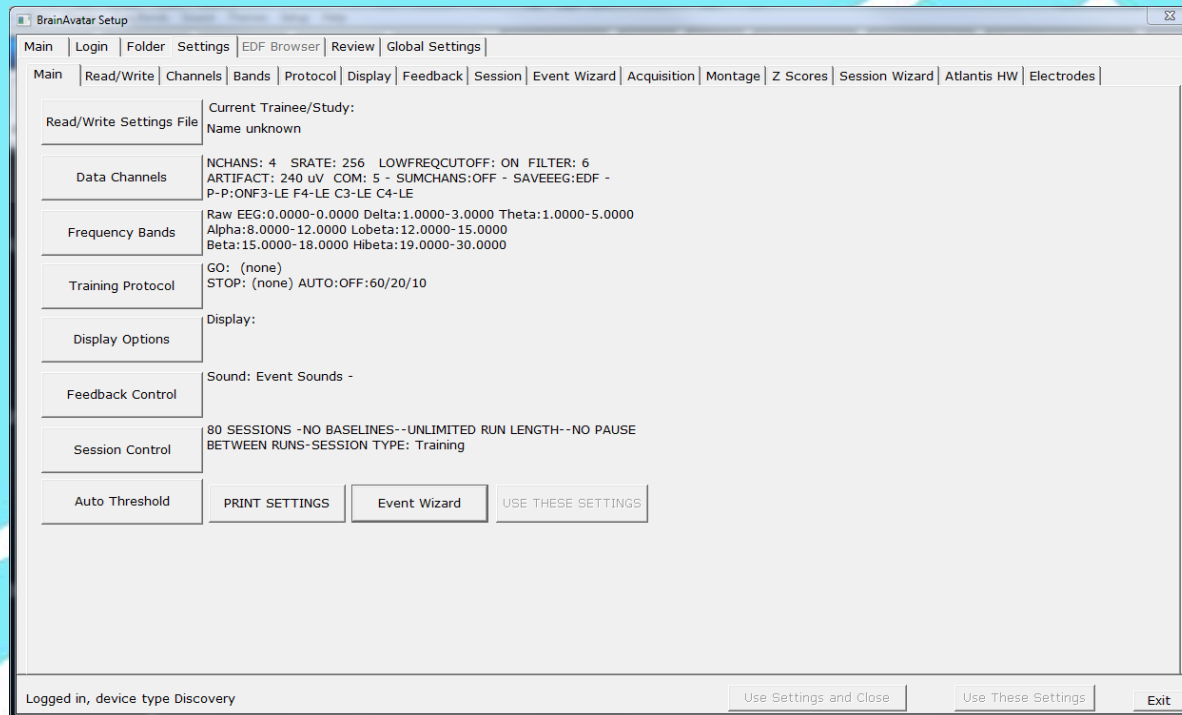
The Protocol is now ready for Modification



- Click “Settings”.

# Focus

## The Protocol is now ready for Modification

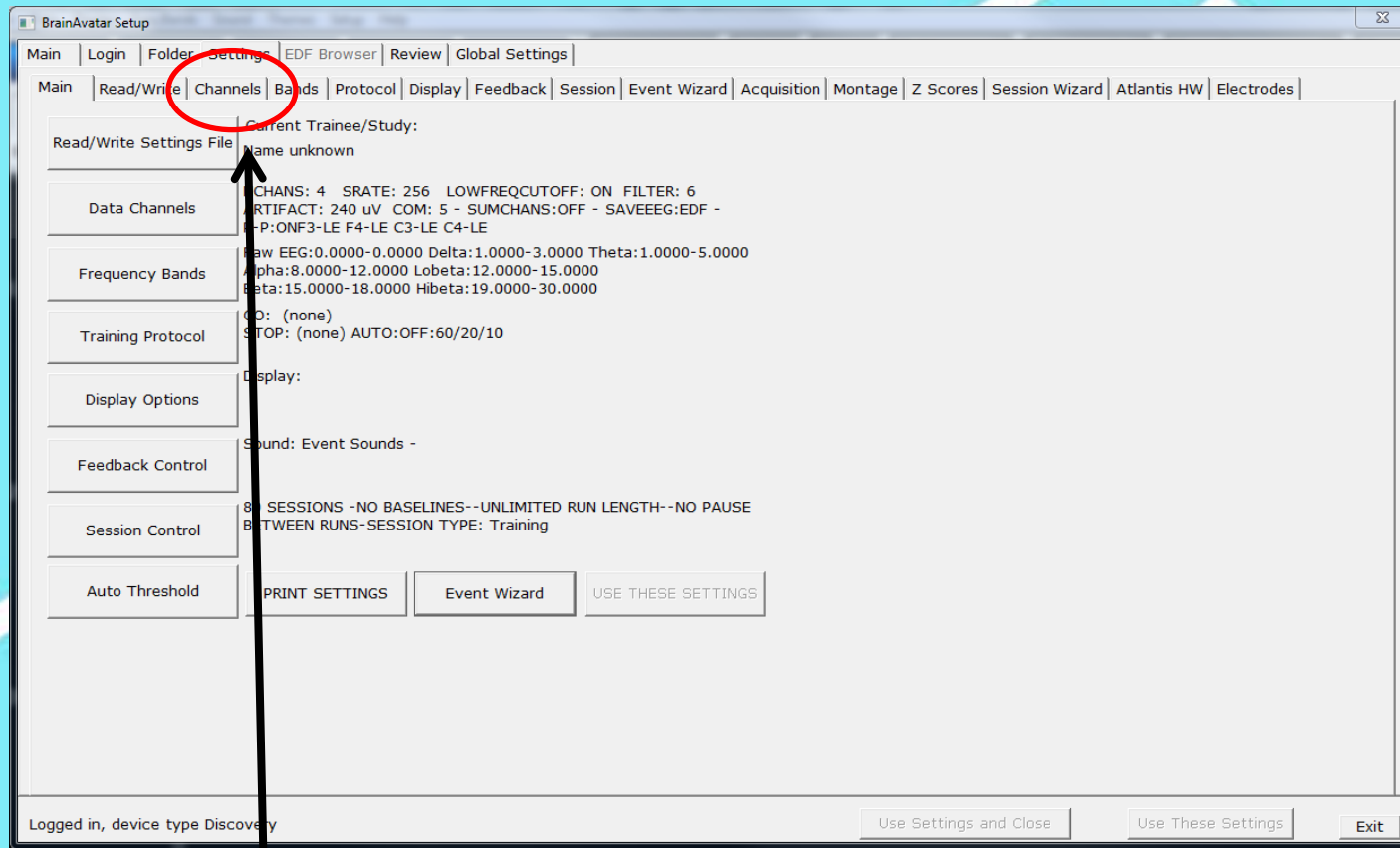


YOU ARE NOW ABOUT TO ENTER THE “BRAIN CENTER” OF THE BRAINAVATAR PROGRAM. ANY HAPHAZARD MODIFICATIONS HERE WITHOUT KNOWLEDGE MAY CAUSE UNPREDICTABLE RESULTS. THIS INSTRUCTION MANUAL WILL GIVE YOU THE PROPER KNOWLEDGE TO ALTER THESE CONTROL SCREENS WITHOUT CONCERN. AGAIN, YOU CAN ALWAYS INSTALL THE ORIGINAL SETTING FILE IF NECESSARY.



# Focus

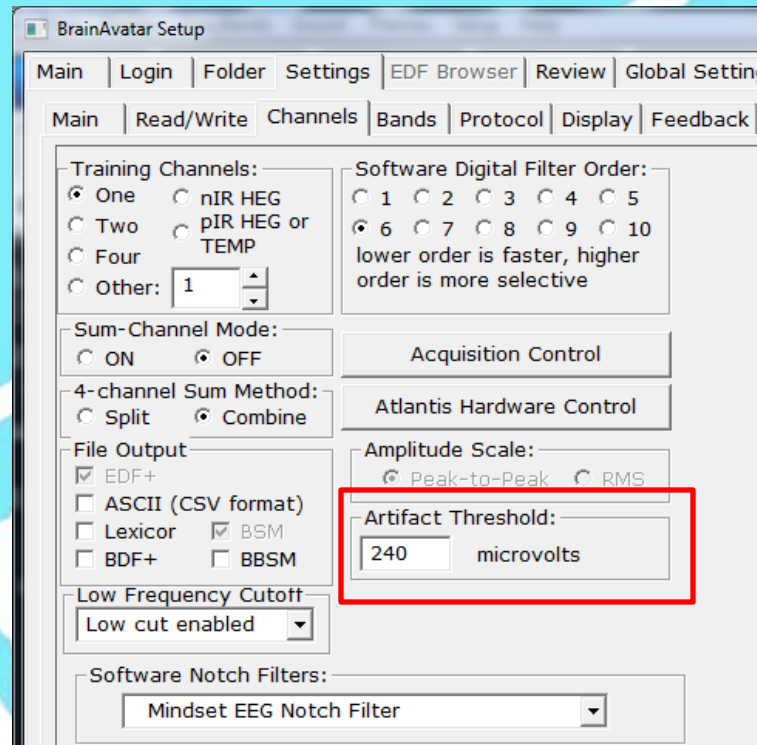
The Protocol is now ready for Modification



Click “Channels”.

# Focus

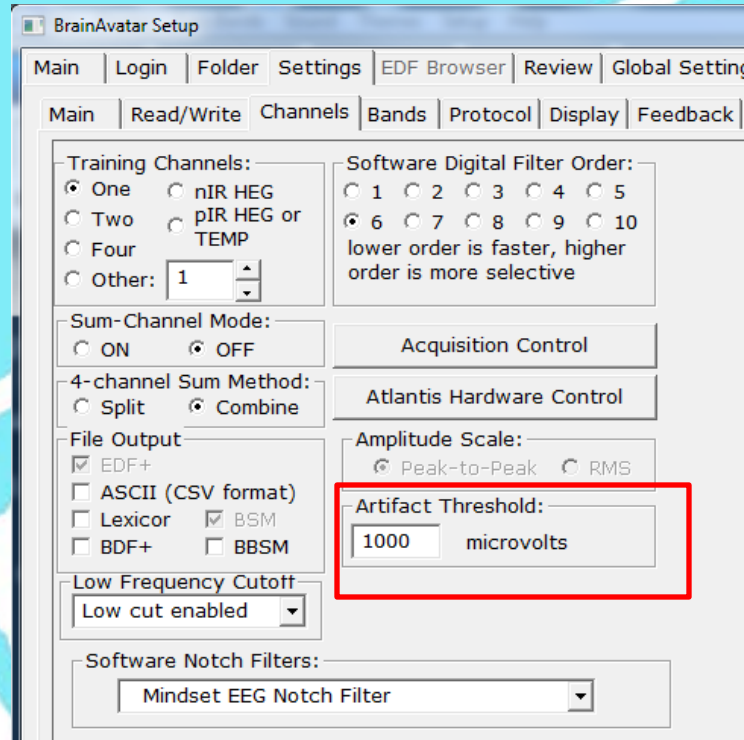
The Protocol is now ready for Modification



Within the Channels Screen you will notice a box displaying Artifact Threshold. This setting will sound a ding and place a red bar across the EEG whenever artifact (i.e. eye blinks) exceed 240 microvolts within the EEG). If a client is wearing contacts or has dry eye and blinks incessantly this could be annoying and detract from the feedback session.

# Focus

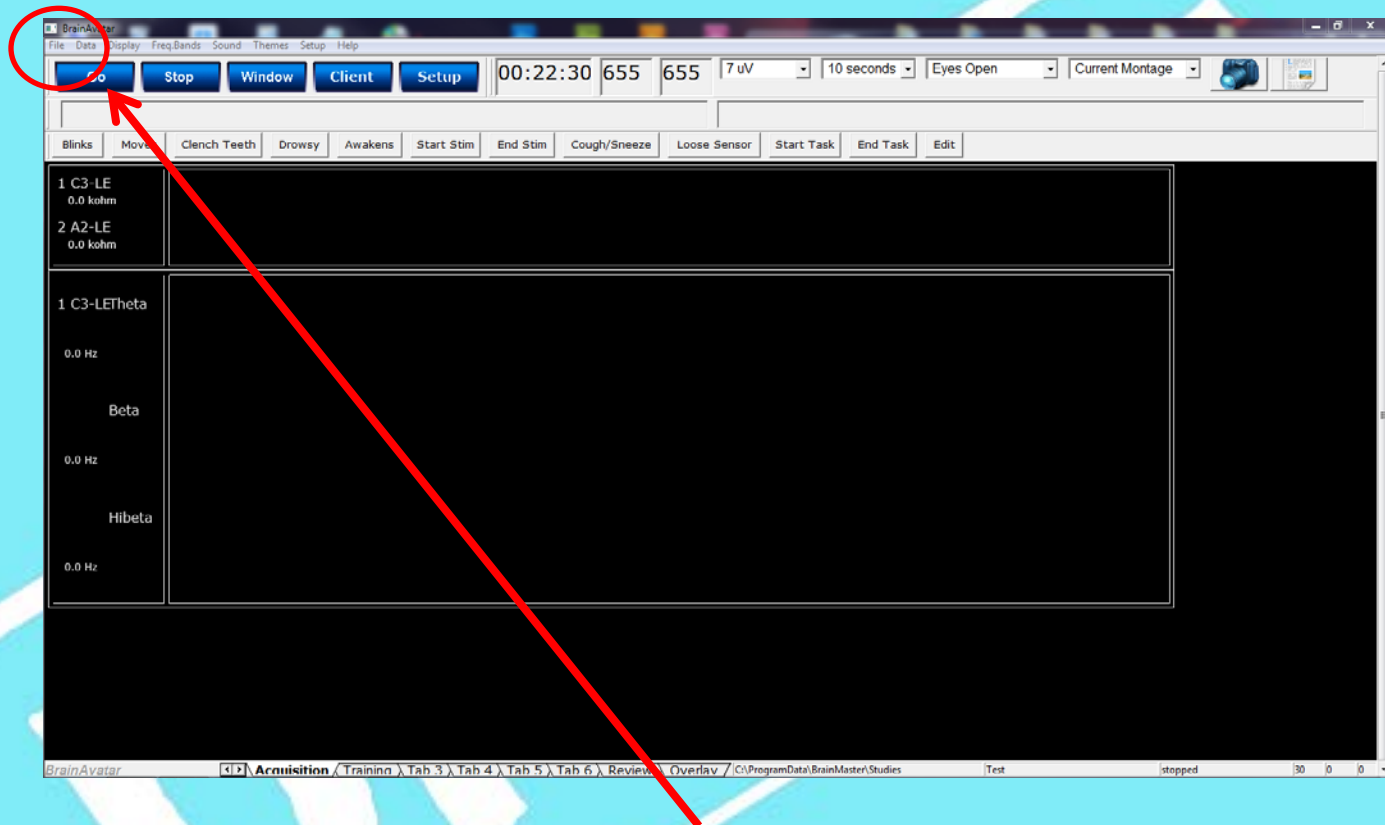
The Protocol is now ready for Modification



By increasing this threshold to a value which exceeds the artifact deflection you may eliminate the annoyance.

# Focus

The Protocol is now ready for Modification

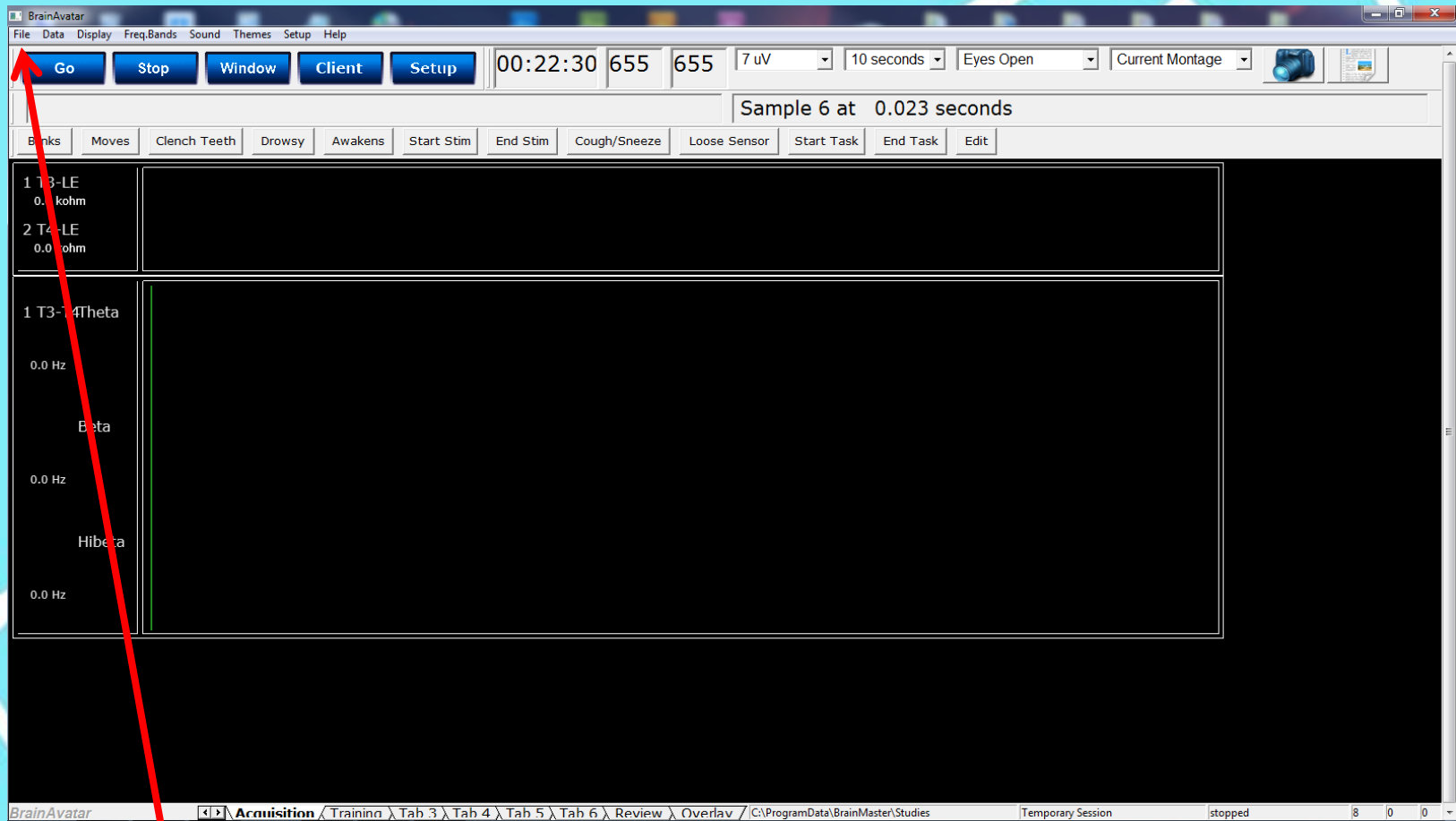


Once you close the Settings Screen you are returned to the “Acquisition Tab” of the Protocol. You may now save the changes made as we have performed in previous exercises.



# Focus

The Protocol is now ready for Modification

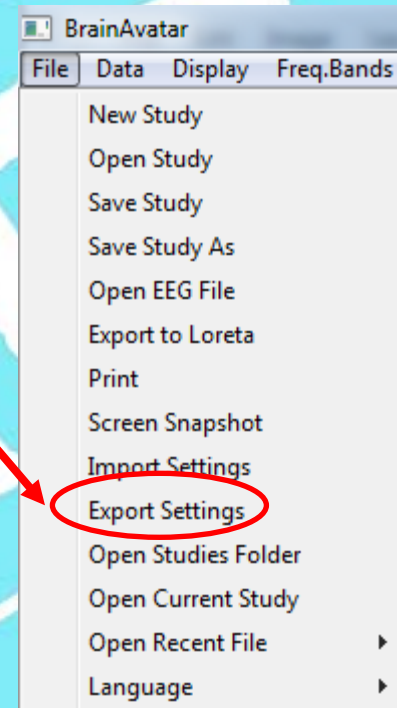


Click "File".

# Focus

## Level 2

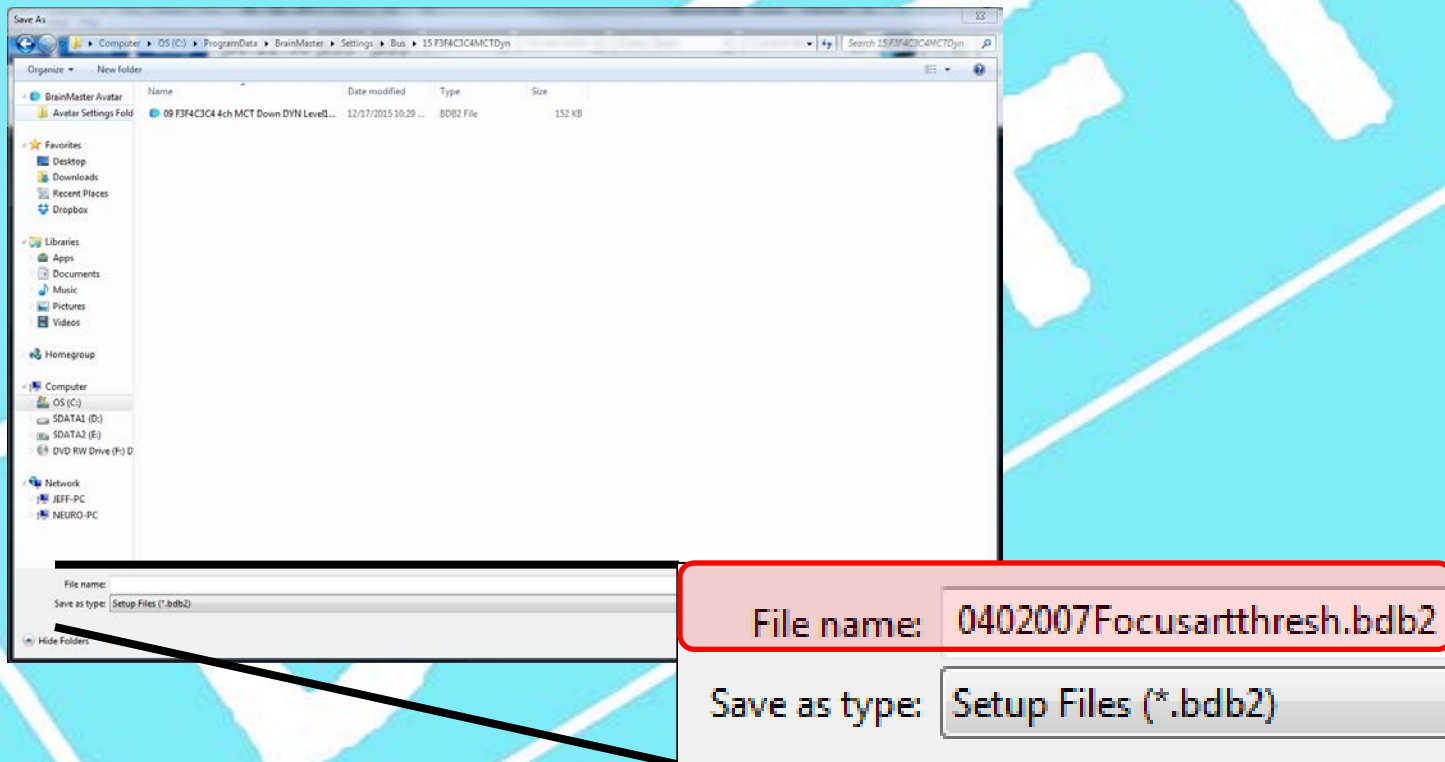
Next click “Export Settings”.



# Focus

## Level 2

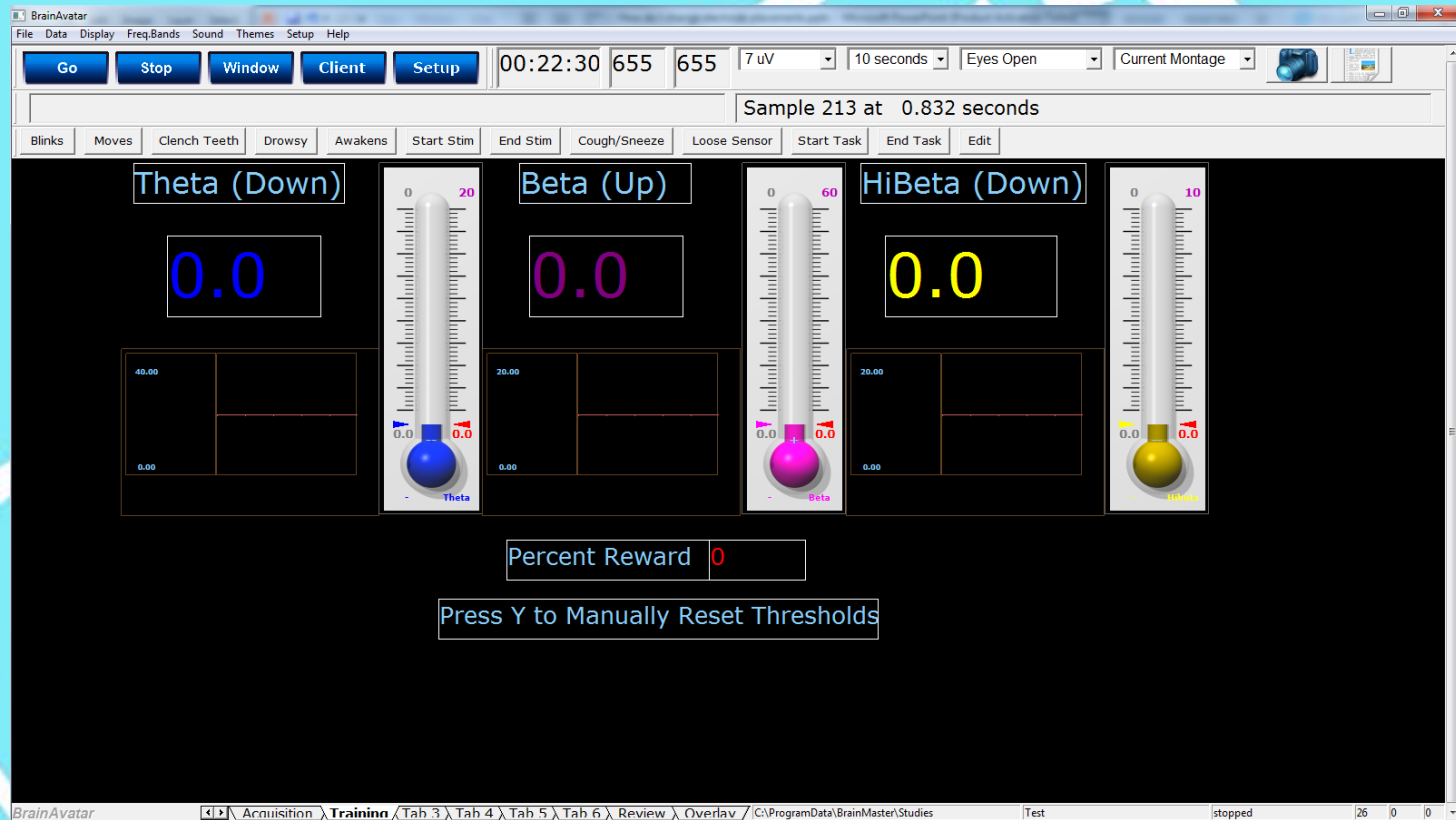
Find the folder where you keep these settings and name the file appropriately in the “File Name:” window.



# Focus

## Level 2

The Protocol is now ready to run with the revisions made.





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