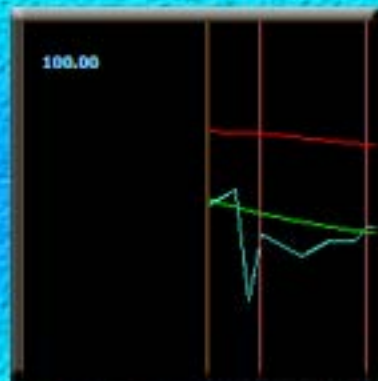


# Power Point Manual

Get On The  BrainMaster  
BUS Universe  
Simplified



“4ch PZOK  
Atlantis  
OEEGPRO”  
Level 2

# 4chPZOK

Level 2

- How can I modify the 4chPZOK Settings to change which ZScores are to be trained?

*All protocols are for demo and research purposes only. Clinicians must determine protocol choices. All protocols must be used within scope of practice and scope of competence.*

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.



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



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# 4chPZOK

Level 2

## Lets Begin

- Make Sure the Atlantis Amplifier is plugged in.

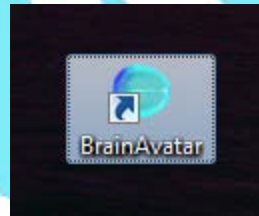


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# 4chPZOK for Atlantis

## Level 2

- Open BrainAvatar by double-clicking the BrainAvatar Icon.



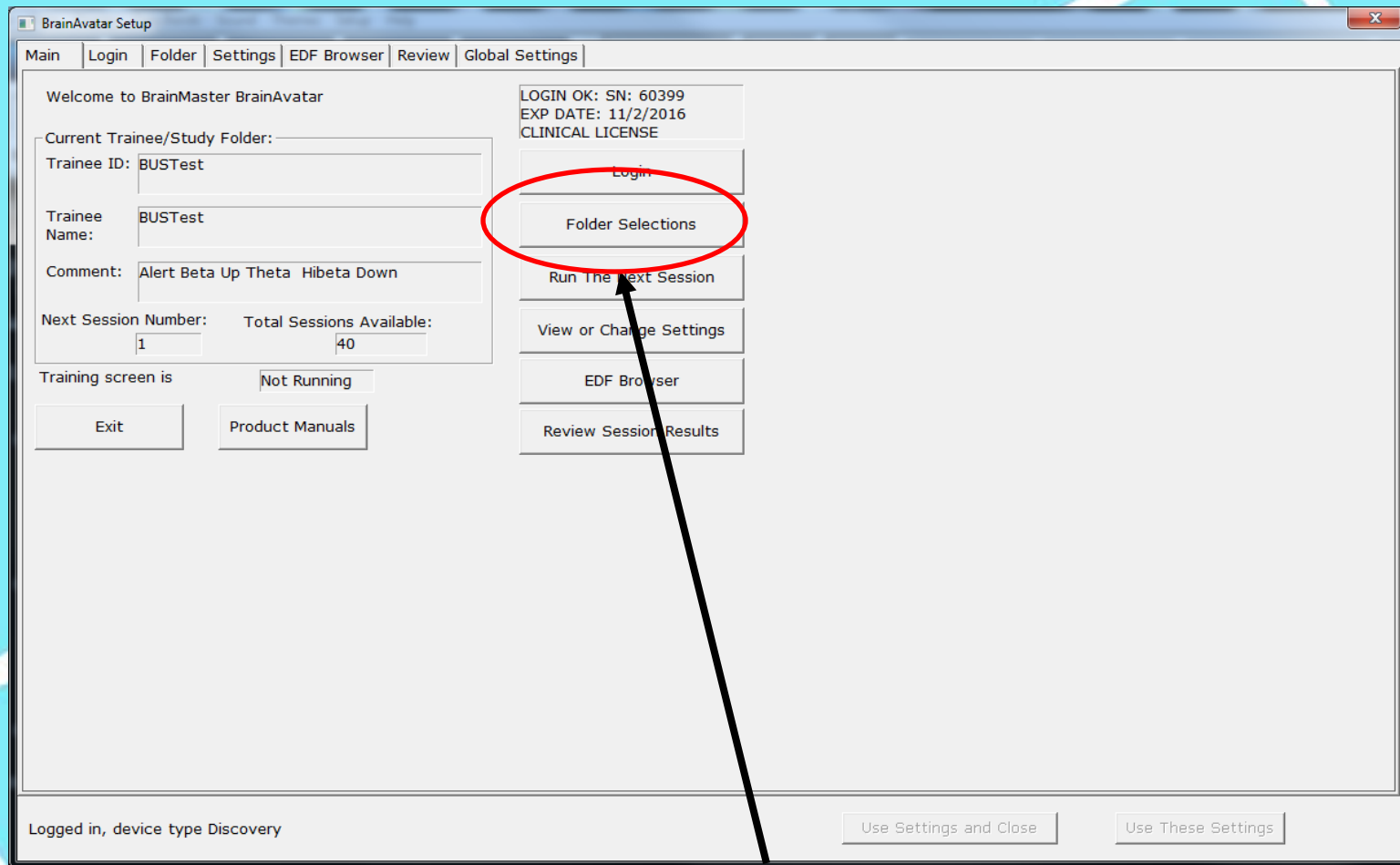
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- The Select Folder Screen will appear.
- By now you should know how to either create a new client folder or recall an existing client folder.
- For the purposes of this exercise let's open and utilize the "BUSTest" Folder which may already be resident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

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- The BrainAvatar Setup Window will Appear



- Click “Folder Selections”.

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- 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

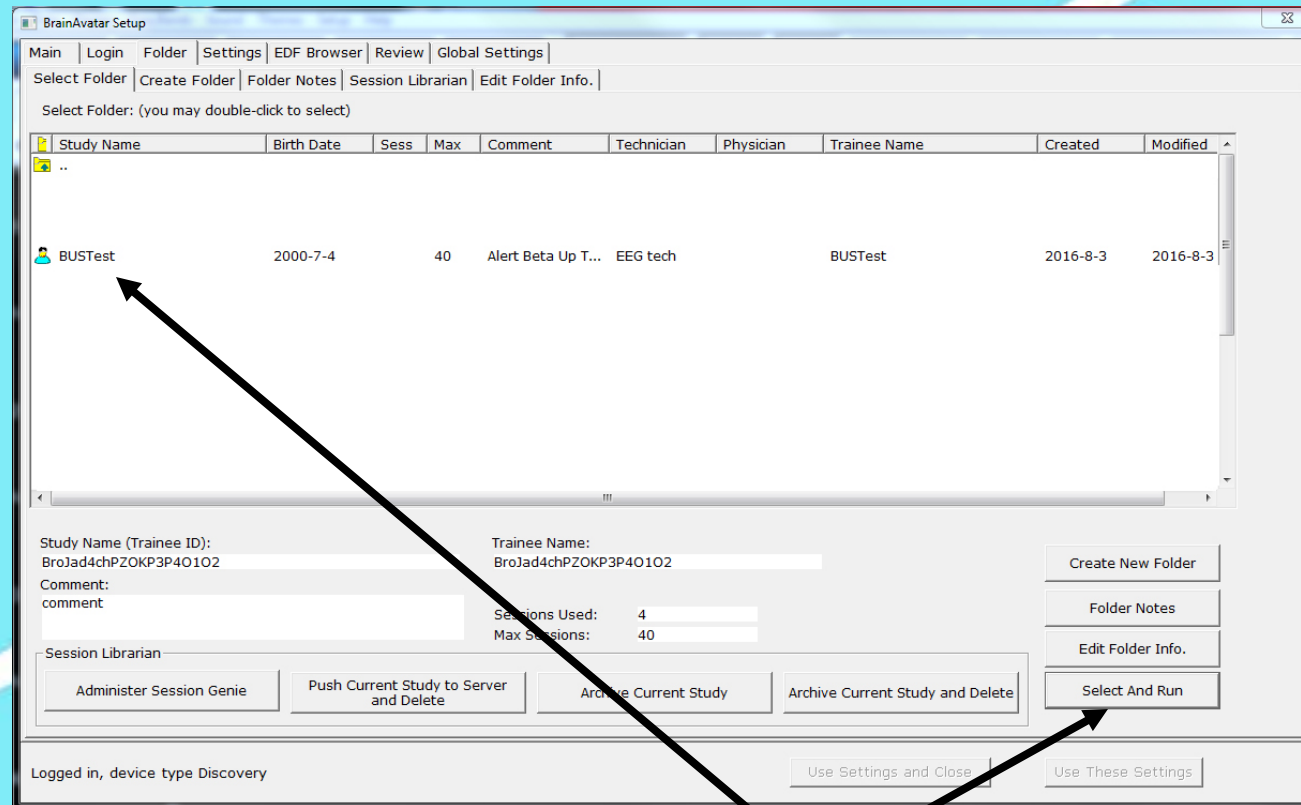
Create New Folder | Folder Notes | Edit Folder Info. | Select And Run

Logged in, device type Discovery

Use Settings and Close | Use These Settings

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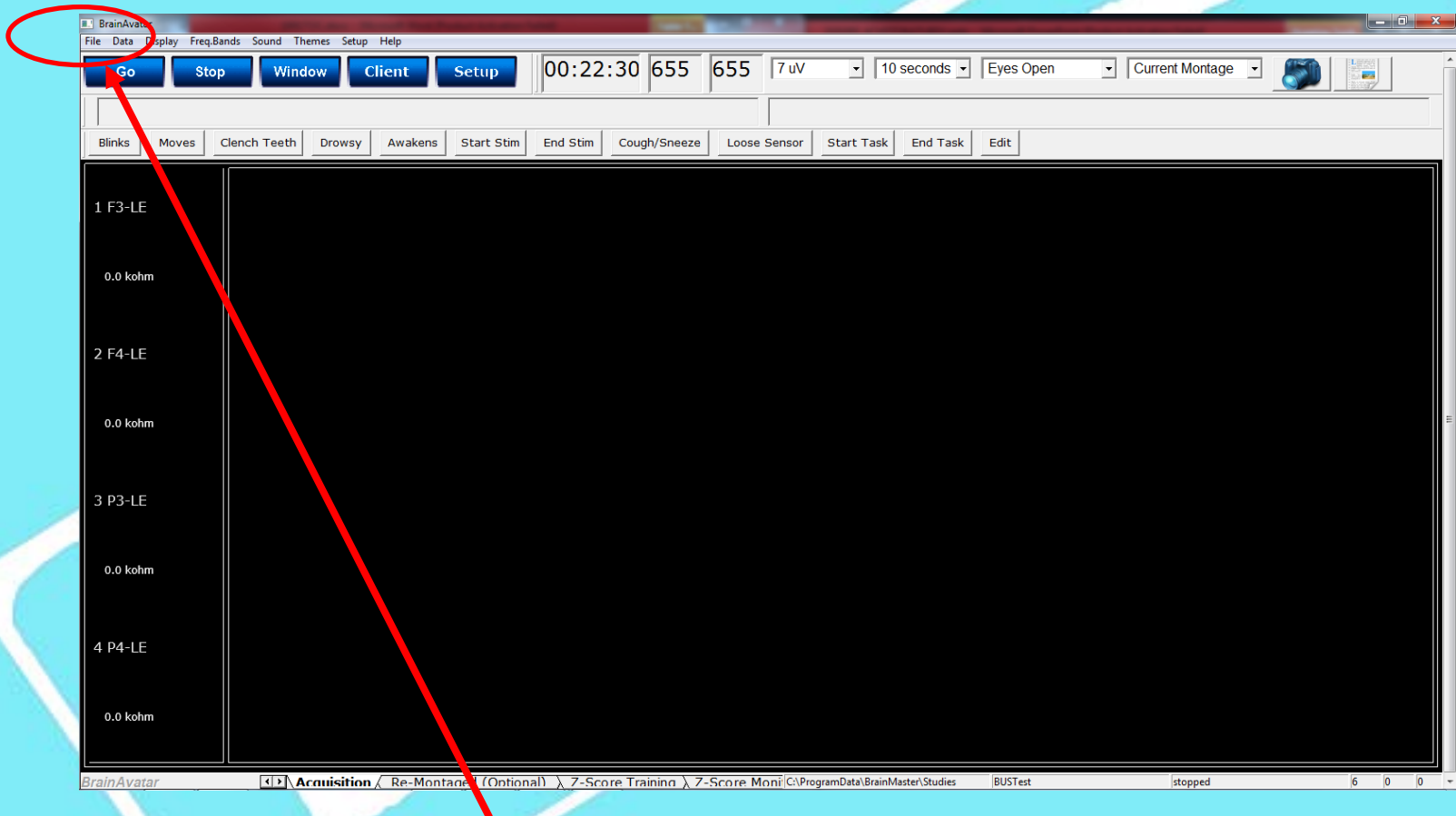
- The Select Folder Screen will appear.



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

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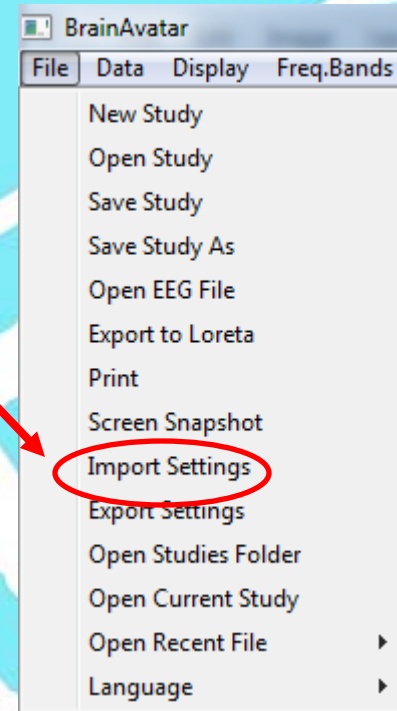
- The BrainAvatar Acquisition Screen is illuminated.  
Let's load the original 4chPZOK Level 1 Setting File.




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

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- Next click “Import Settings”.



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

| Name  | Date modified     | Type      | Size   |
|---|-------------------|-----------|--------|
|  2101001_4ChPZOKATLBDX.bdb2 | 8/23/2016 5:01 PM | BDB2 File | 166 KB |

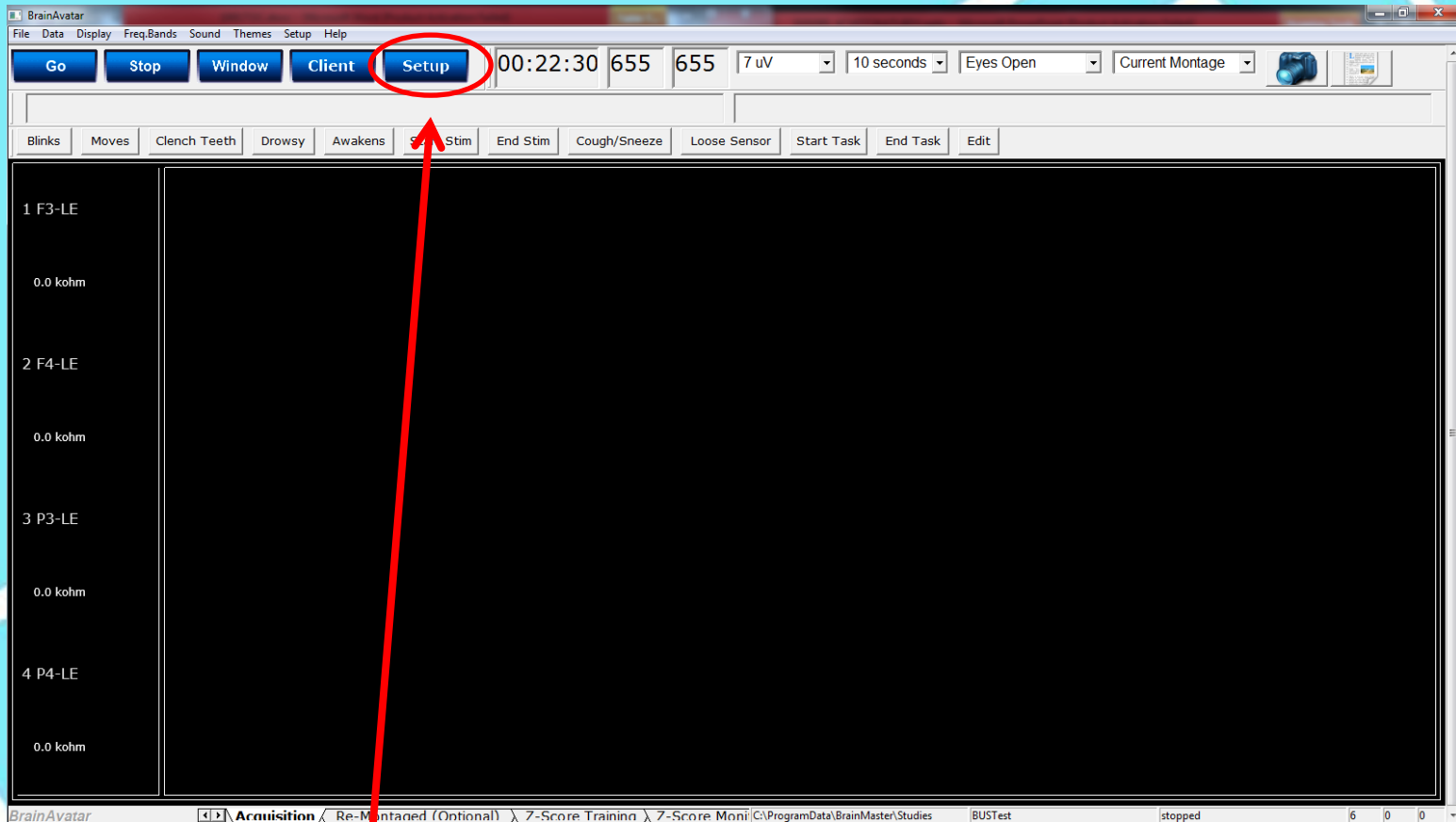
- The original PZOK Level 1 setting is imported into the Client’s Study and is now ready for modification.

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# 4chPZOK

The Protocol is now ready for Modification

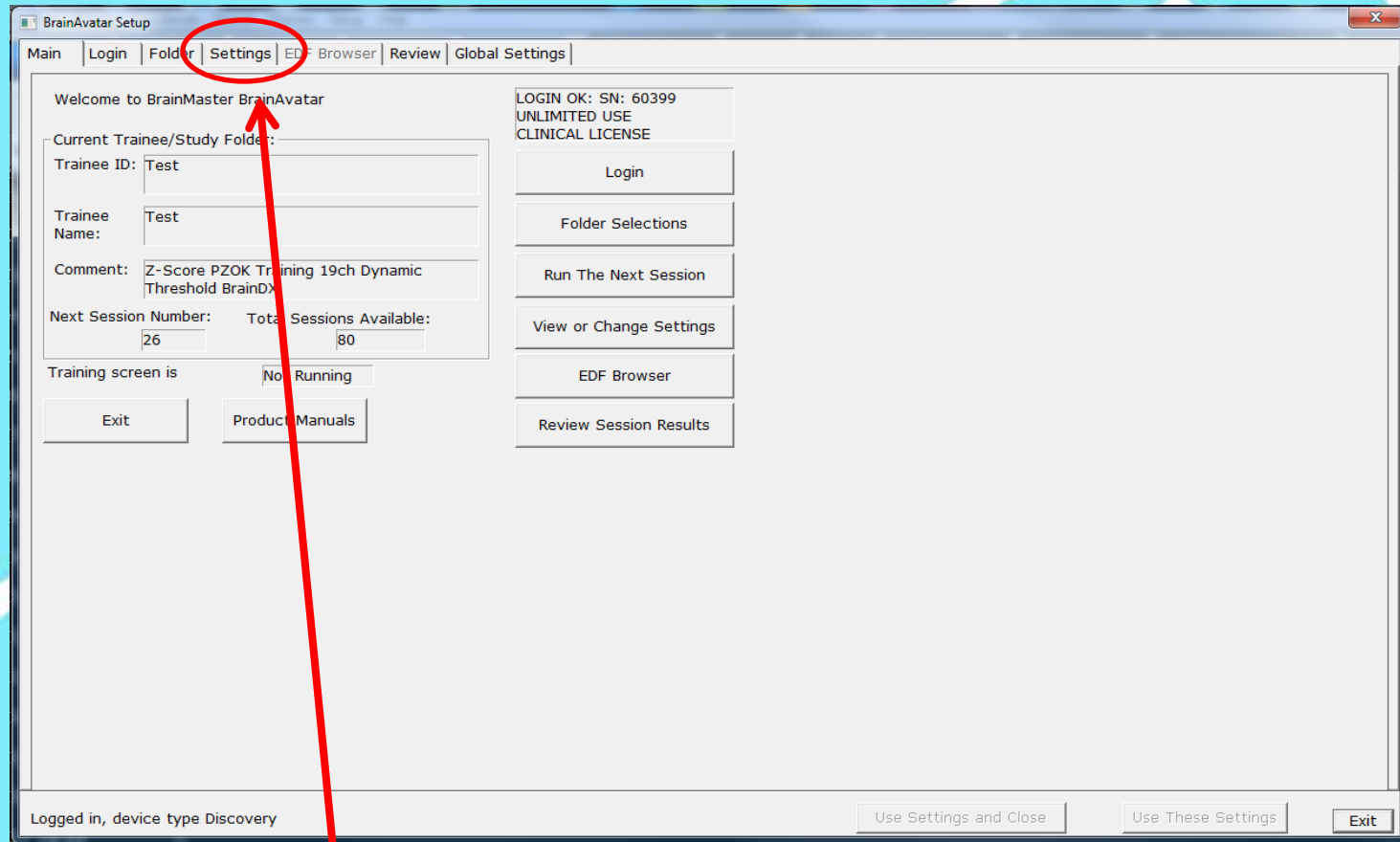


- Select “Setup”.

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# 4chPZOK for Atlantis

## The Protocol is now ready for Modification

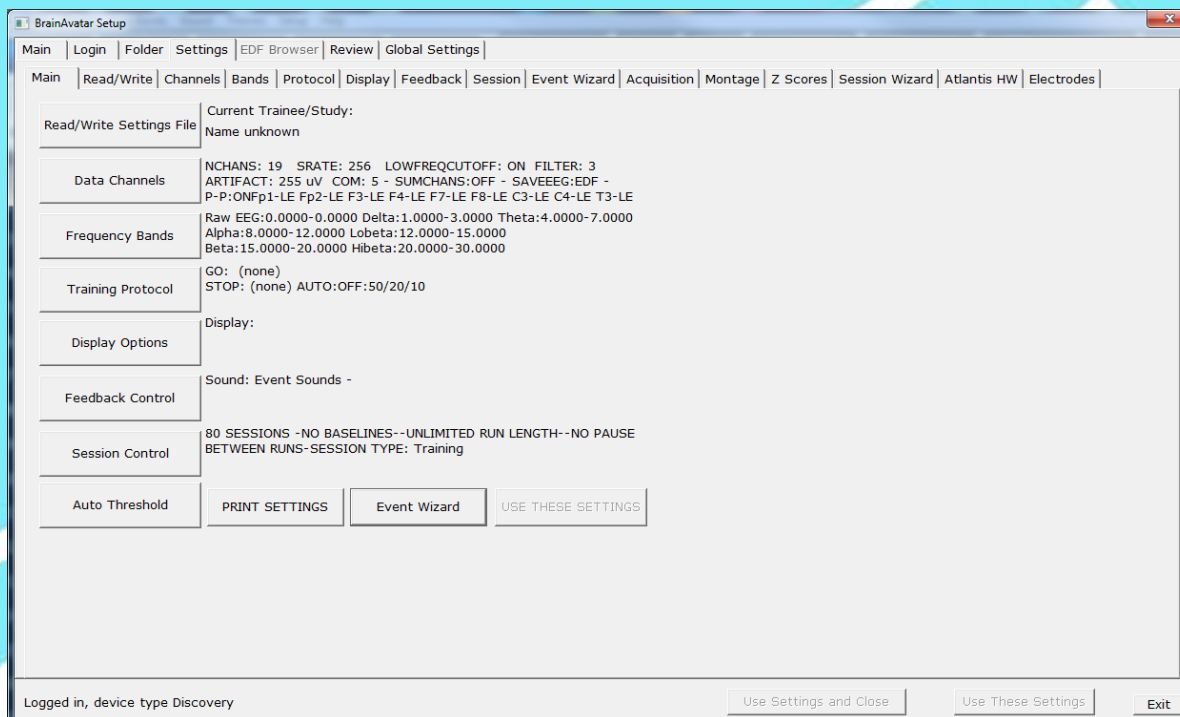


- Click “Settings”.

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# 4chPZOK for Atlantis

## The Protocol is now ready for Modification

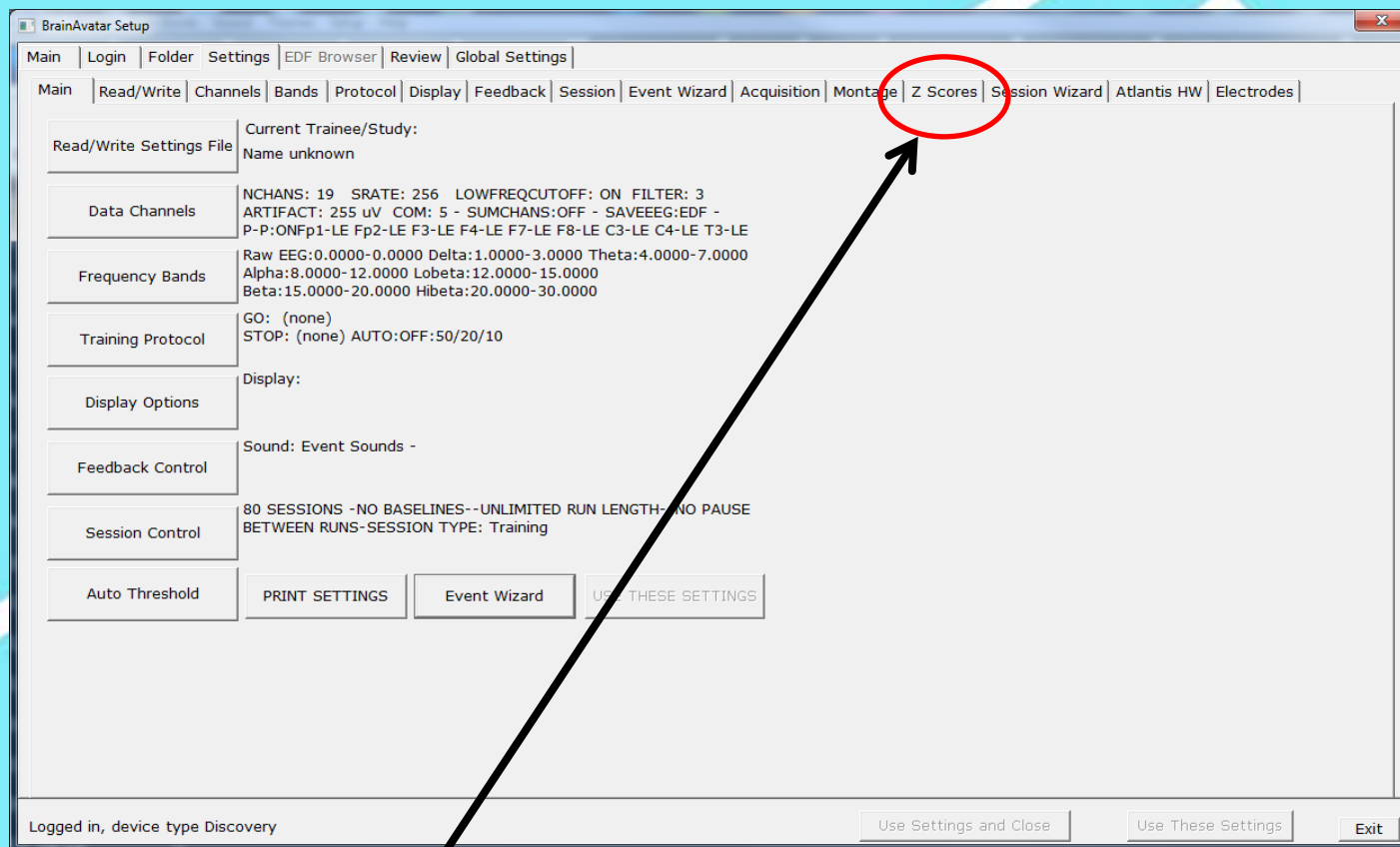


YOU ARE NOW ABOUT TO ENTER THE “BRAIN CENTER” OF THE BRAINAVATAR PROGRAM. ANY HAPHAZARD MODIFICATIONS HERE WITHOUT KNOWLEDGE MAY CAUSE UNPREDICTABLE RESULTS. THIS INSTRUCTION MANUAL WILL GIVE YOU THE PROPER KNOWLEDGE TO ALTER THESE CONTROL SCREENS WITHOUT CONCERN. AGAIN, YOU CAN ALWAYS INSTALL THE ORIGINAL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

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# 4chPZOK for Atlantis

## The Protocol is now ready for Modification



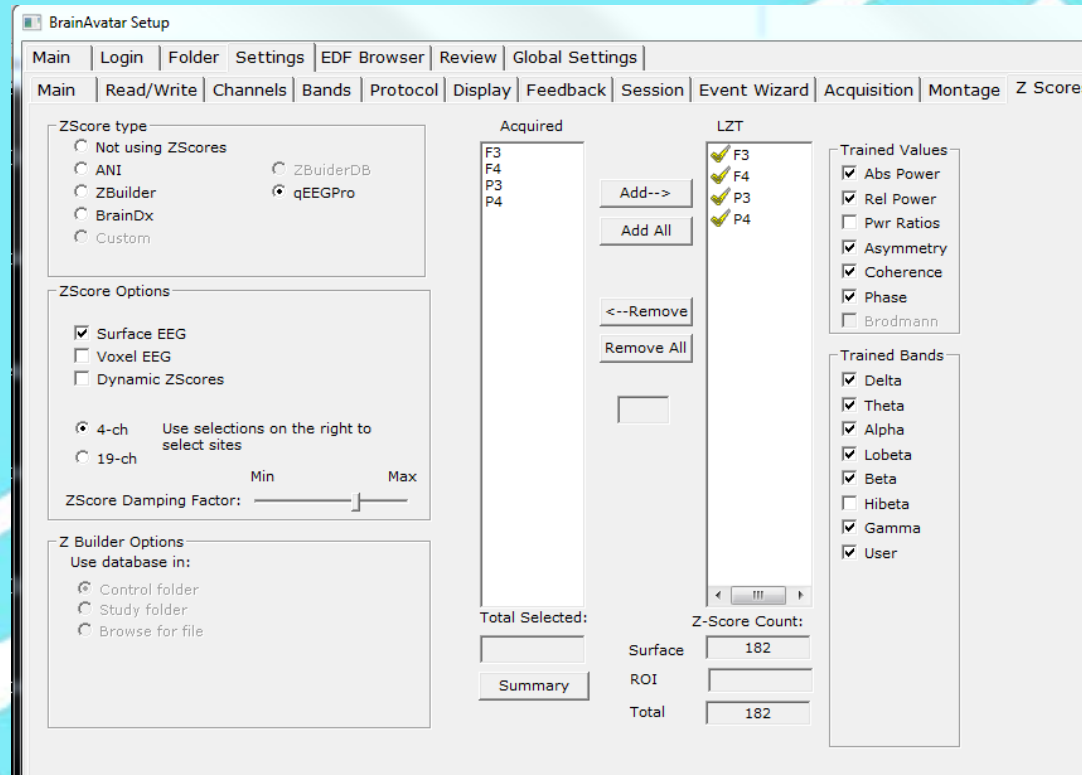
Click “Z-Scores”.

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# 4chPZOK for Atlantis

## The Protocol is now ready for Modification

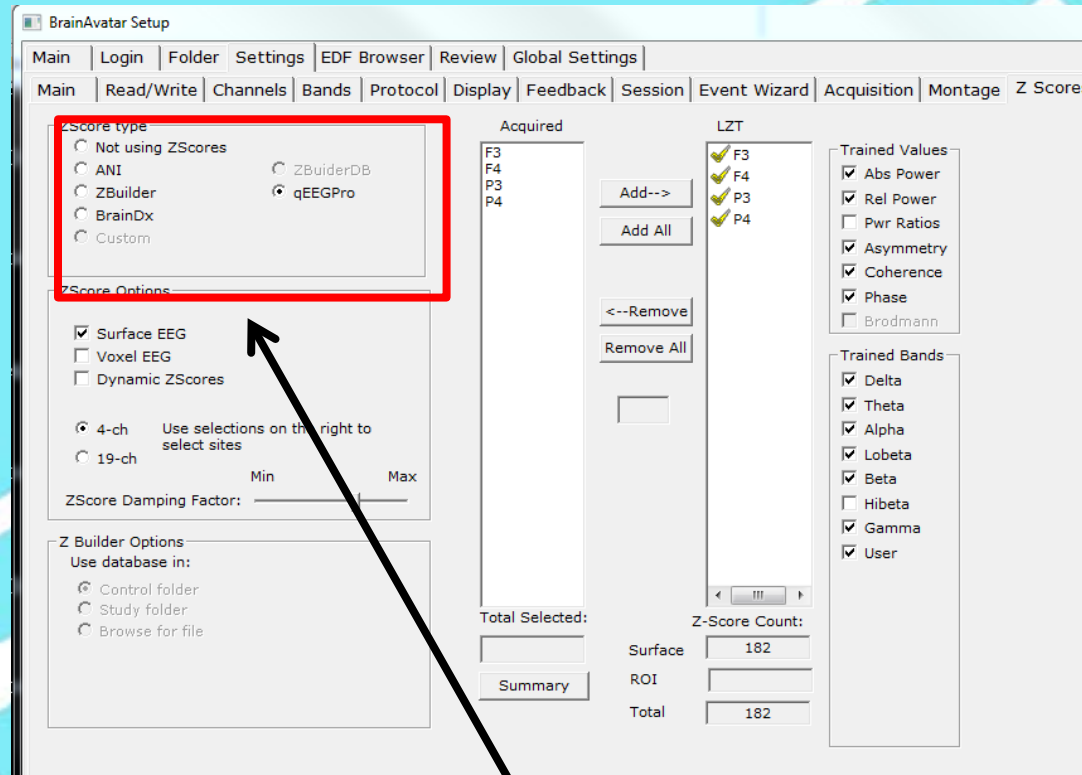


This is the ZScore window which is the control center for all ZScores.

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## The Protocol is now ready for Modification

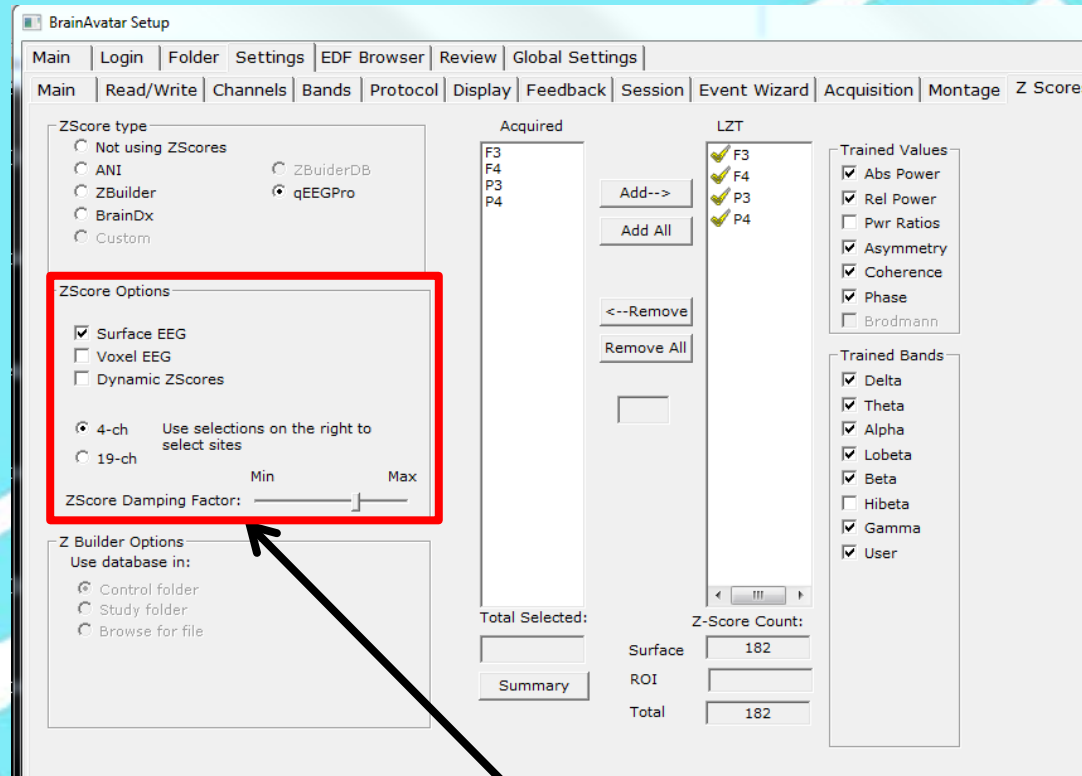


This box controls Zscore type. Notice in this case qEEGPro is selected indicating the DLL you will be using.

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# 4chPZOK for Atlantis

## The Protocol is now ready for Modification

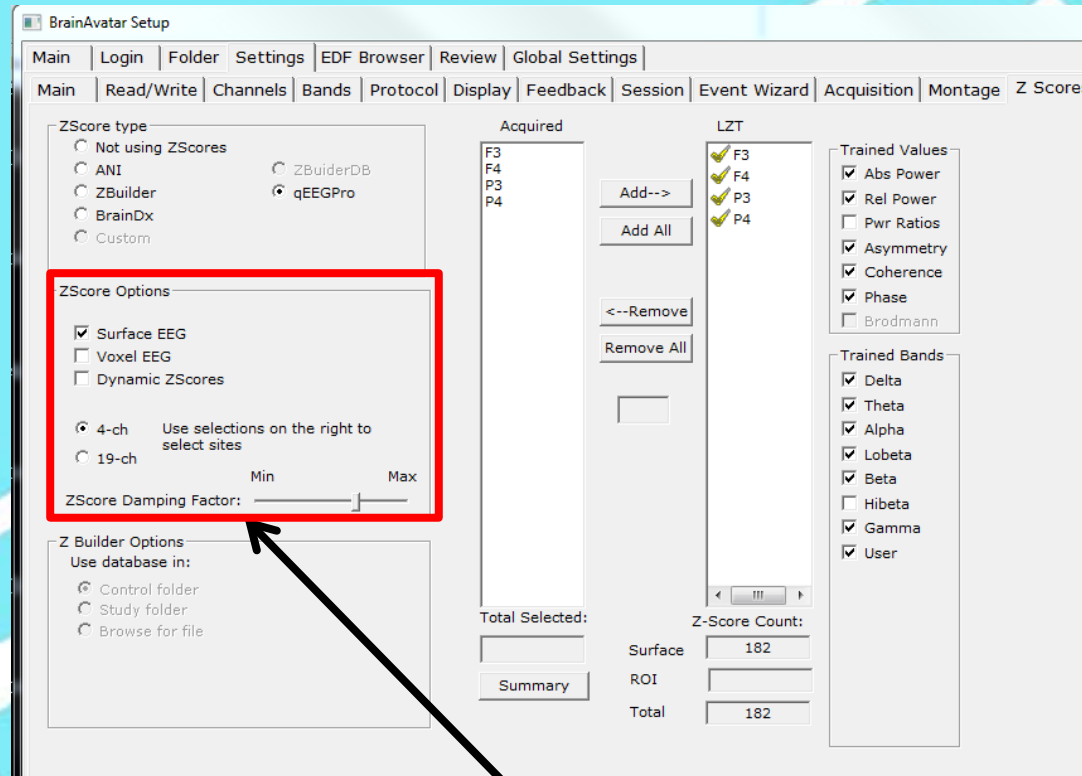


This box controls ZScore options. Notice in this box surface ZScores are selected. Other choices include Voxel or SLoreta Zscores and Dynamic ZScores

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# 4chPZOK for Atlantis

## The Protocol is now ready for Modification



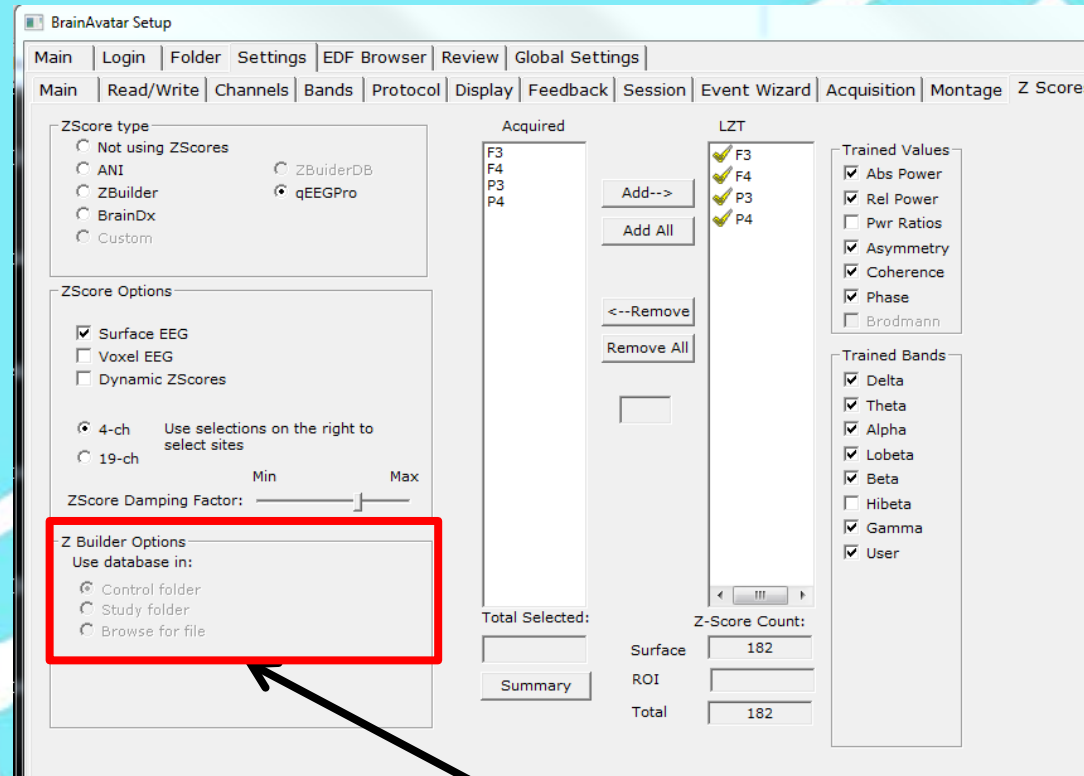
Also, depicted are the use of 4 channel or 19 channel ZScores and an option to dampen the rate at which ZScores change in the ZScore Monitor.

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## The Protocol is now ready for Modification

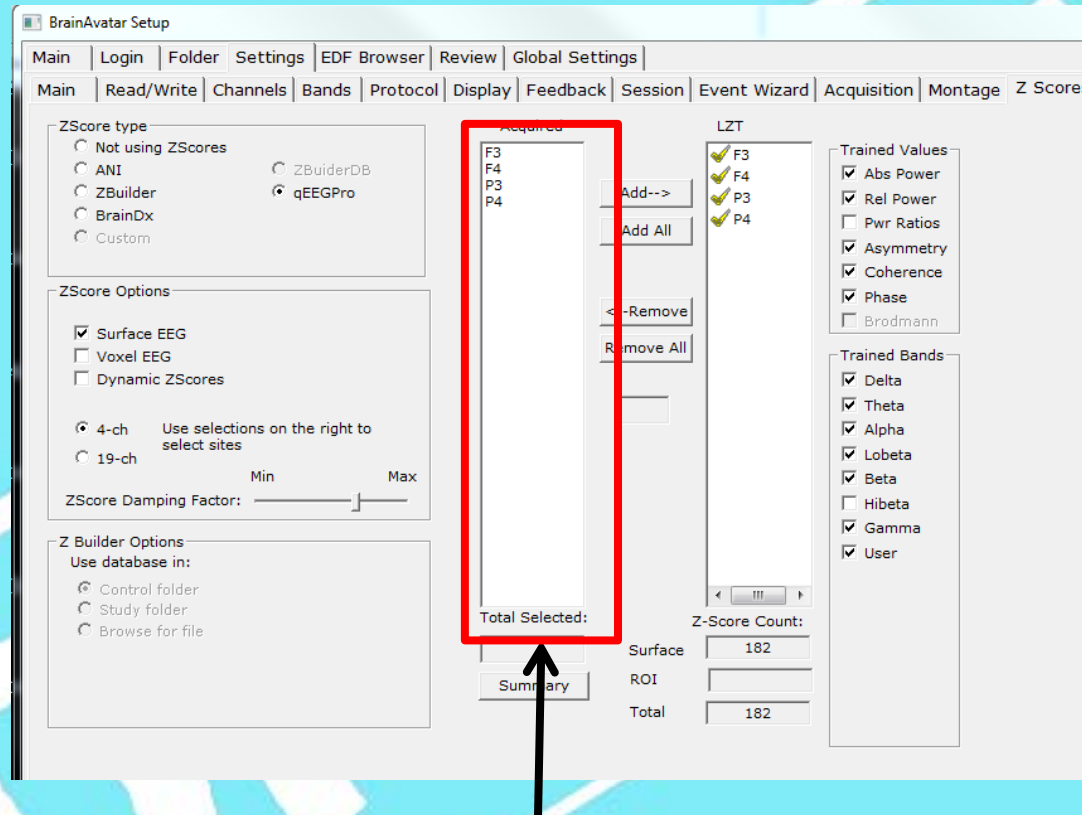


This box controls Z-Builder options. Z-Builder will be covered in a Level 4 module at a later date.

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# 4chPZOK for Atlantis

## The Protocol is now ready for Modification

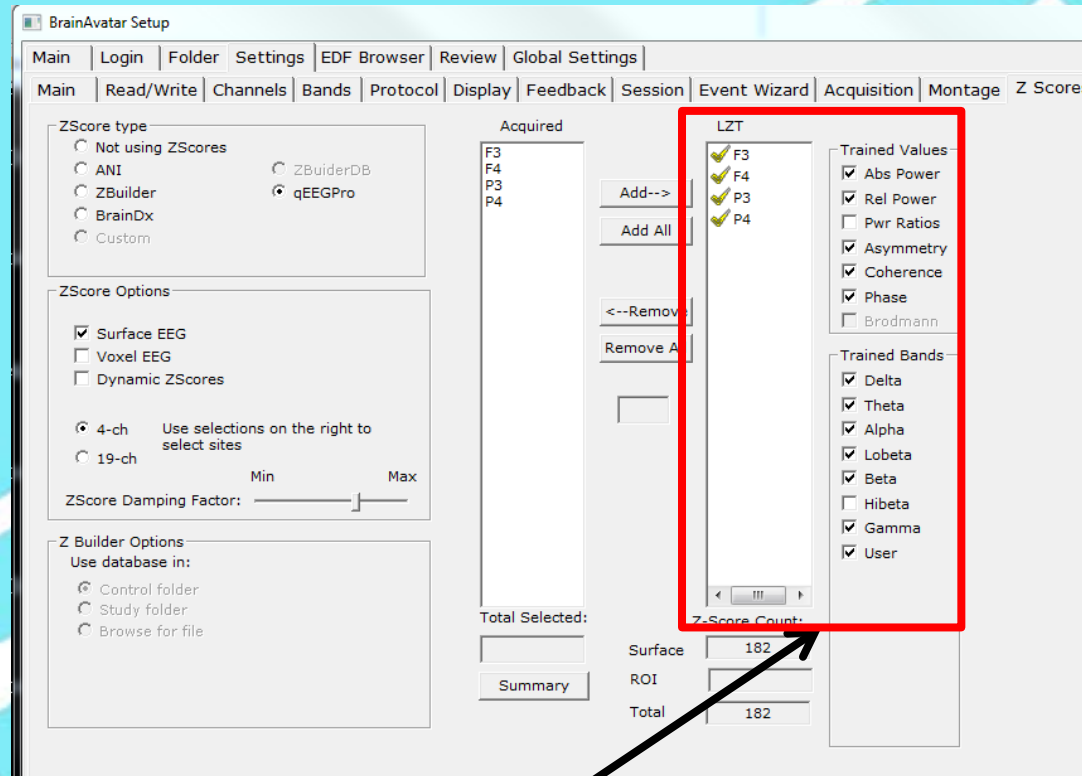


This box shows all ZScores that are acquired based on your acquisition and your choice of 4 channel or 19 channel ZScores.

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# 4chPZOK for Atlantis

## The Protocol is now ready for Modification

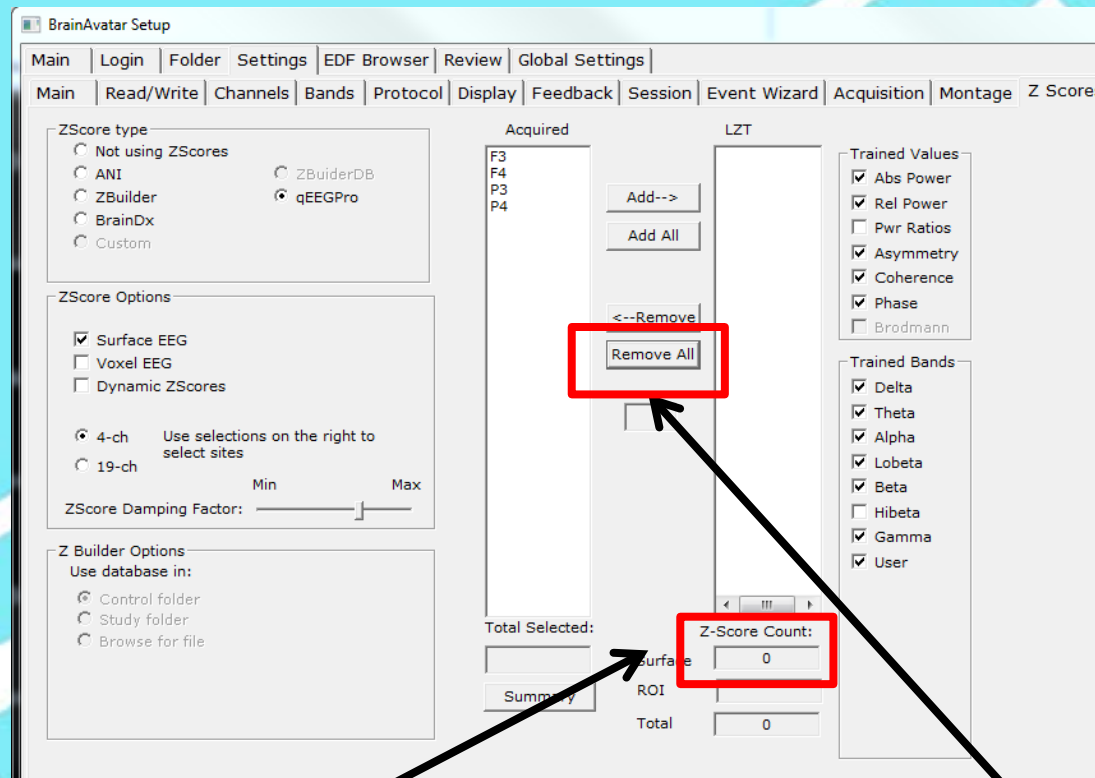


This box shows all ZScores which are selected for training. Remember, in the default mode all ZScores are “Shown” in the monitor. However, only the ZScores selected here will be “Trained”

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# 4chPZOK for Atlantis

The Protocol is now ready for Modification



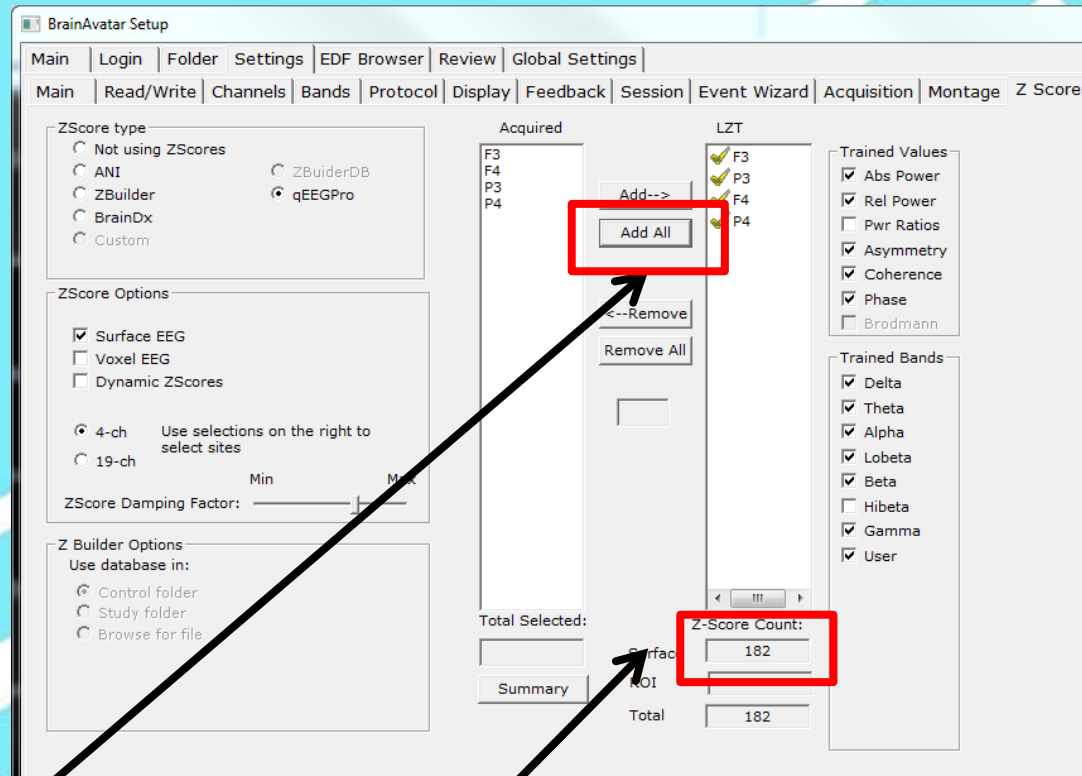
To operate this lets first start by removing all. Click the “Remove All” button and notice that no ZScores are selected. The ZScore count becomes 0.

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# 4chPZOK for Atlantis

## The Protocol is now ready for Modification

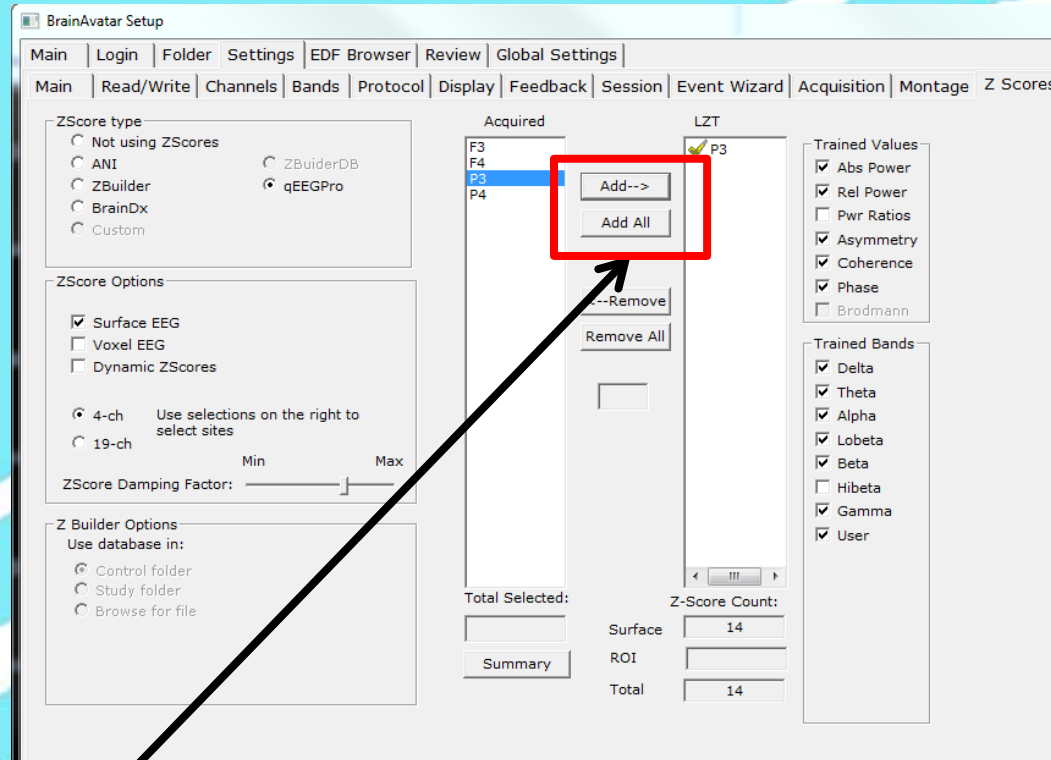


To add them all in you may click the “Add all” button. Notice the Z-Score count has returned to 182.

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# 4chPZOK for Atlantis

## The Protocol is now ready for Modification

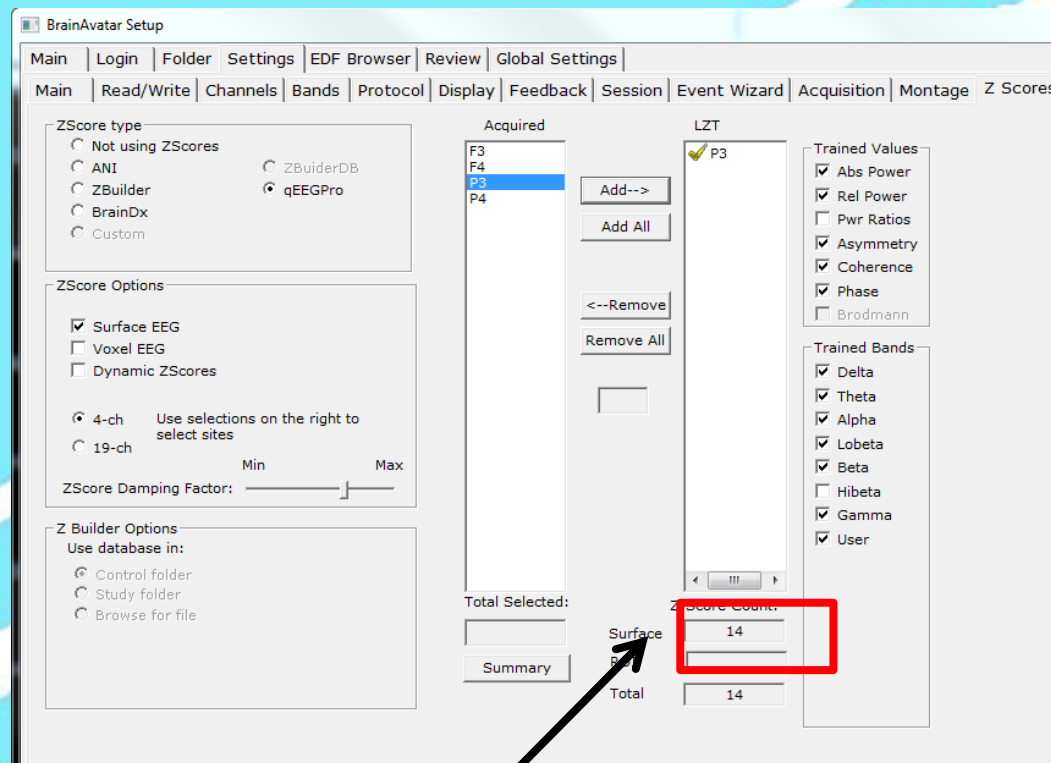


Or, you may select any of the ZScores from the acquired side to train by simply clicking the desired 10-20 location and then clicking “add”.

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# 4chPZOK for Atlantis

## The Protocol is now ready for Modification

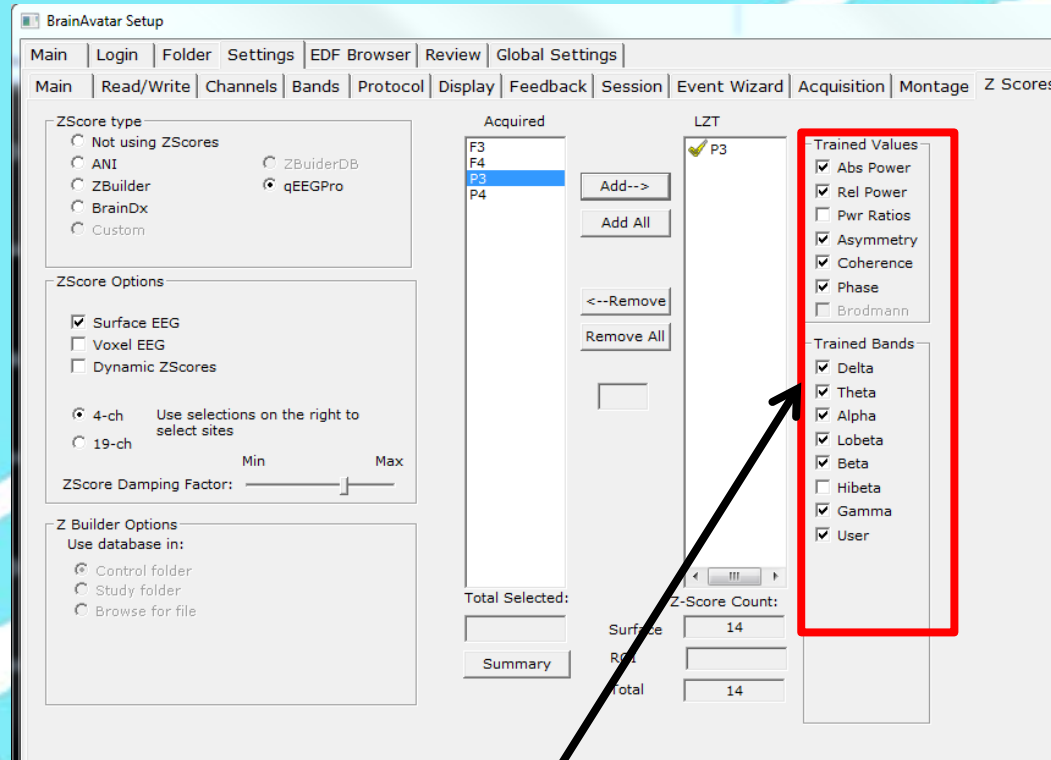


Notice, there have been 14 ZScores selected by just clicking this one site. This is so because a ZScore for each trained value (Abs Power, Rel Power, etc. and each Trained Band (Delta1, Delta, etc.) will be represented.

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## The Protocol is now ready for Modification

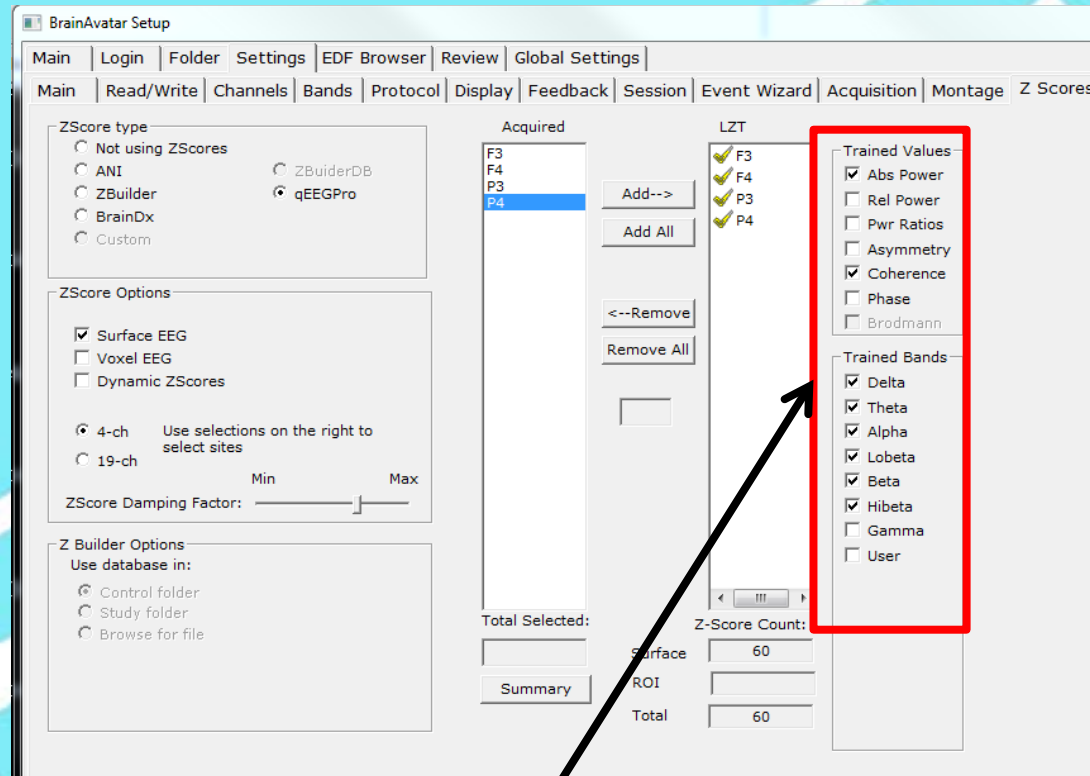


You may click off any of the Trained Values or Trained Bands and they will be eliminated from the training. However, all ZScores by default will be shown and monitored in the ZScore Monitor Window

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## The Protocol is now ready for Modification



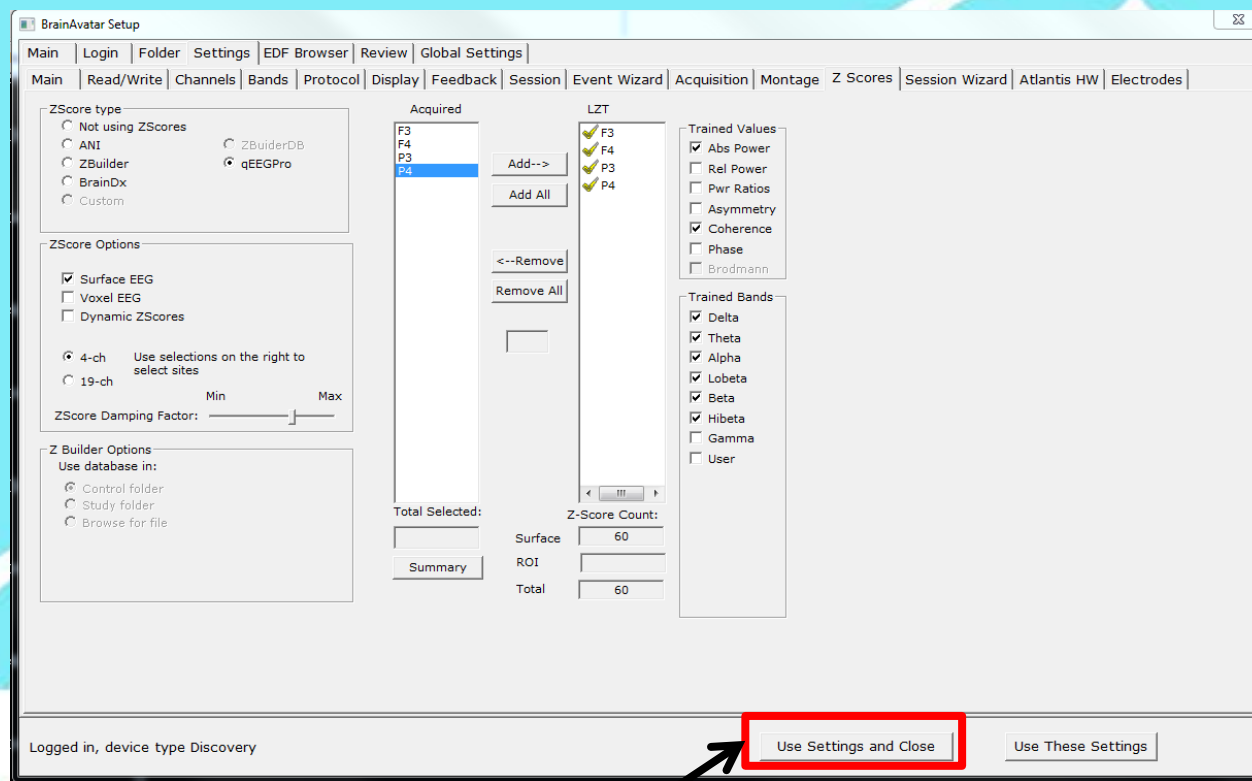
So, let's say for example we would only like to train Abs Power and Coherence for the Delta, Theta, Alpha, Lobeta, Beta and Hibeta Bands for a total of 60 ZScores. An example of this screen is depicted above.

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# 4chPZOK for Atlantis

## The Protocol is now ready for Modification

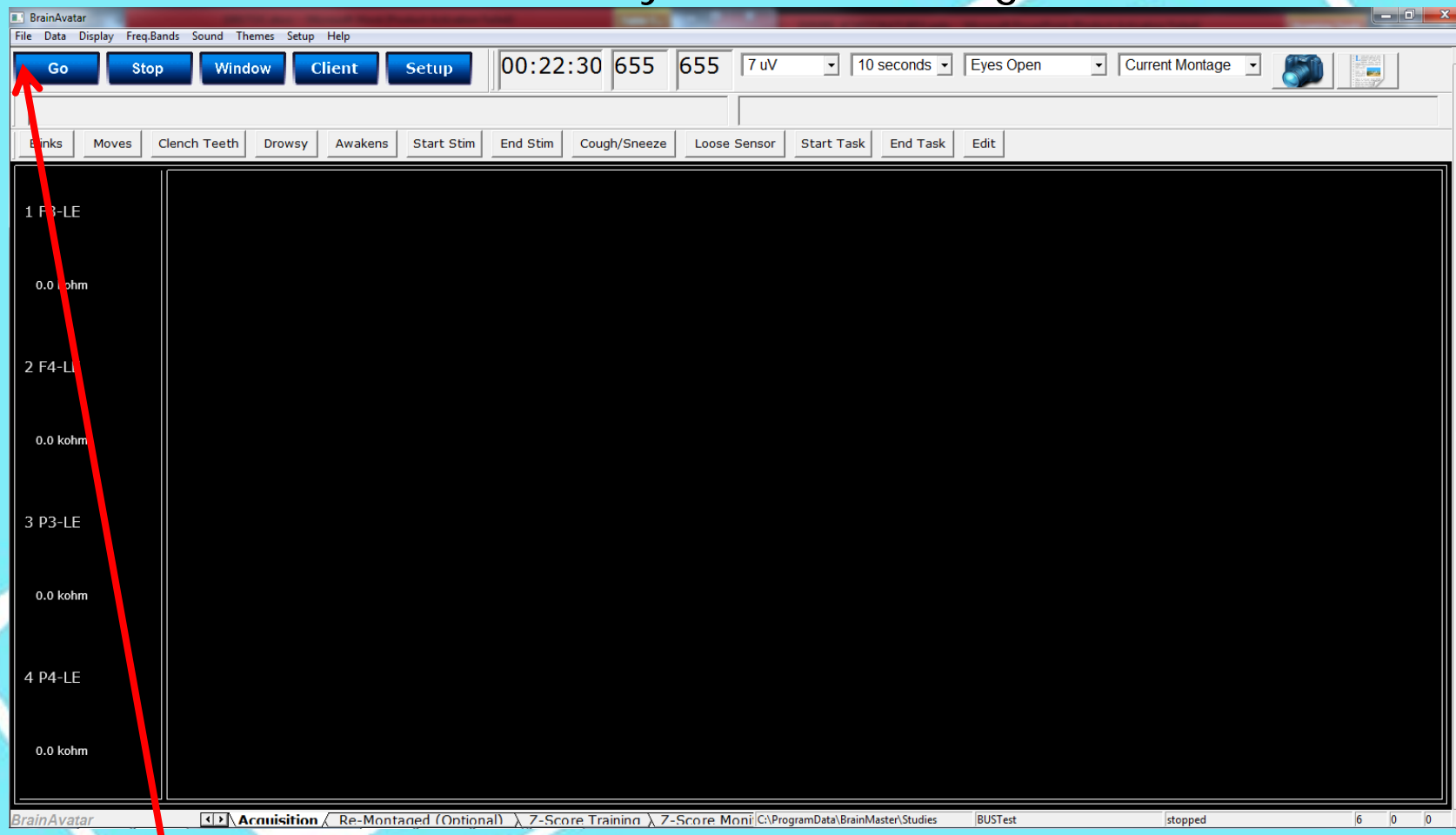


To save your settings and close the Z-Scores tab click “Use Settings and Close”.

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# 4chPZOK for Atlantis

Next we may save our changes



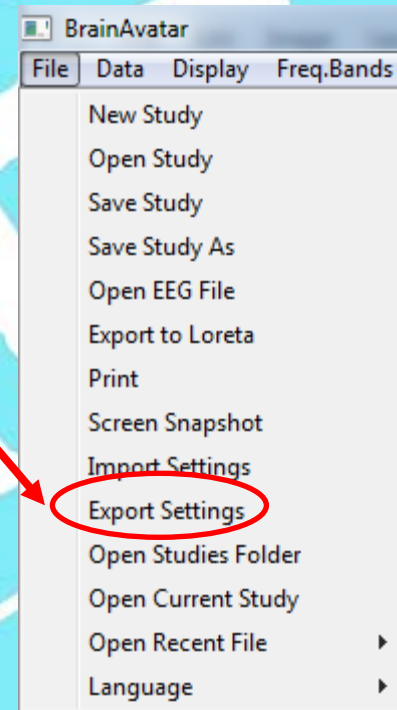
Click "File".

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# 4chPZOK for Atlantis

Level 2

Next click “Export Settings”.

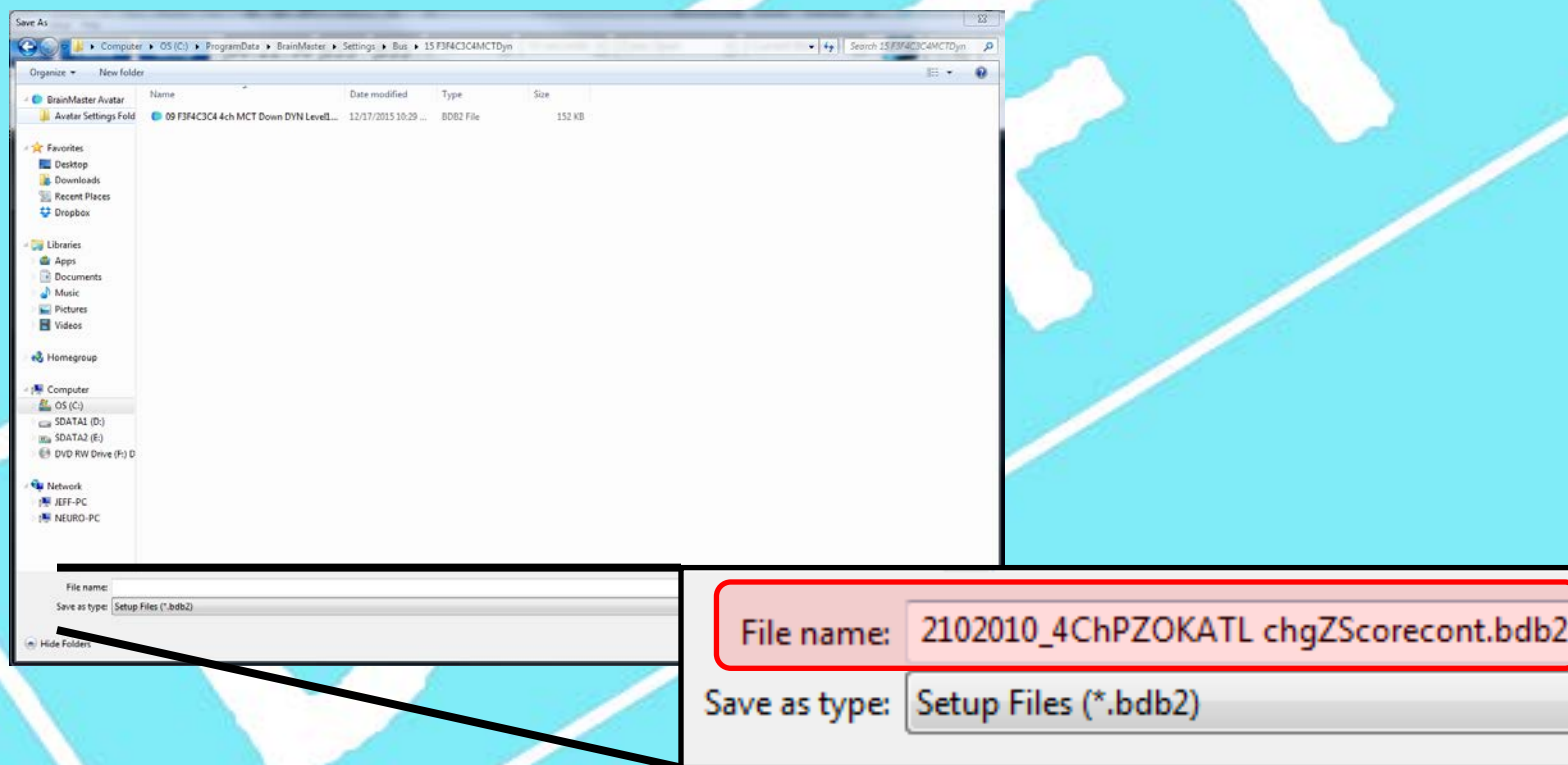


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# 4chPZOK for Atlantis

## Level 2

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

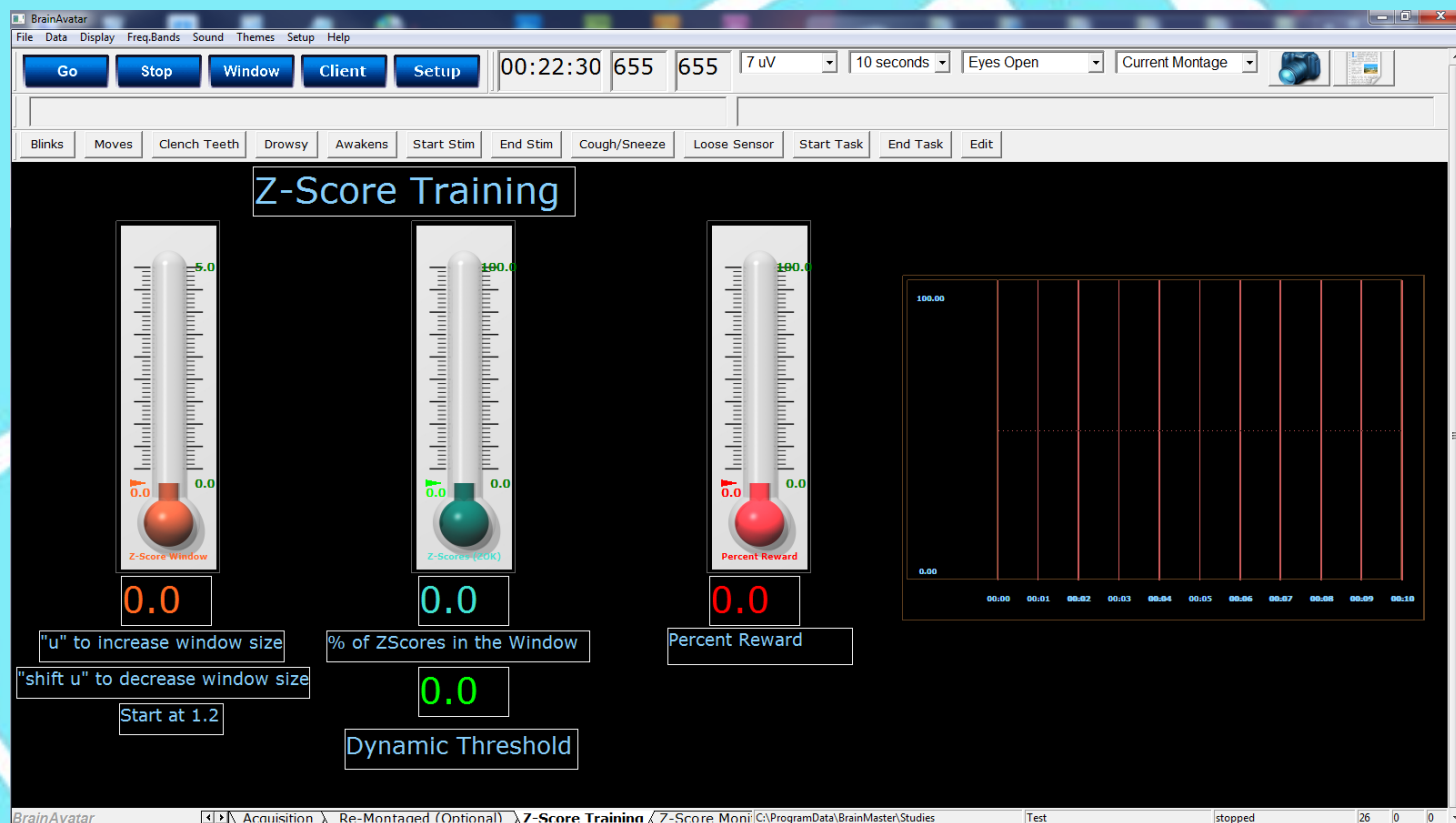


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# 4chPZOK for Atlantis

## Level 2

The Protocol Is now ready to run with the revised ZScore Settings.

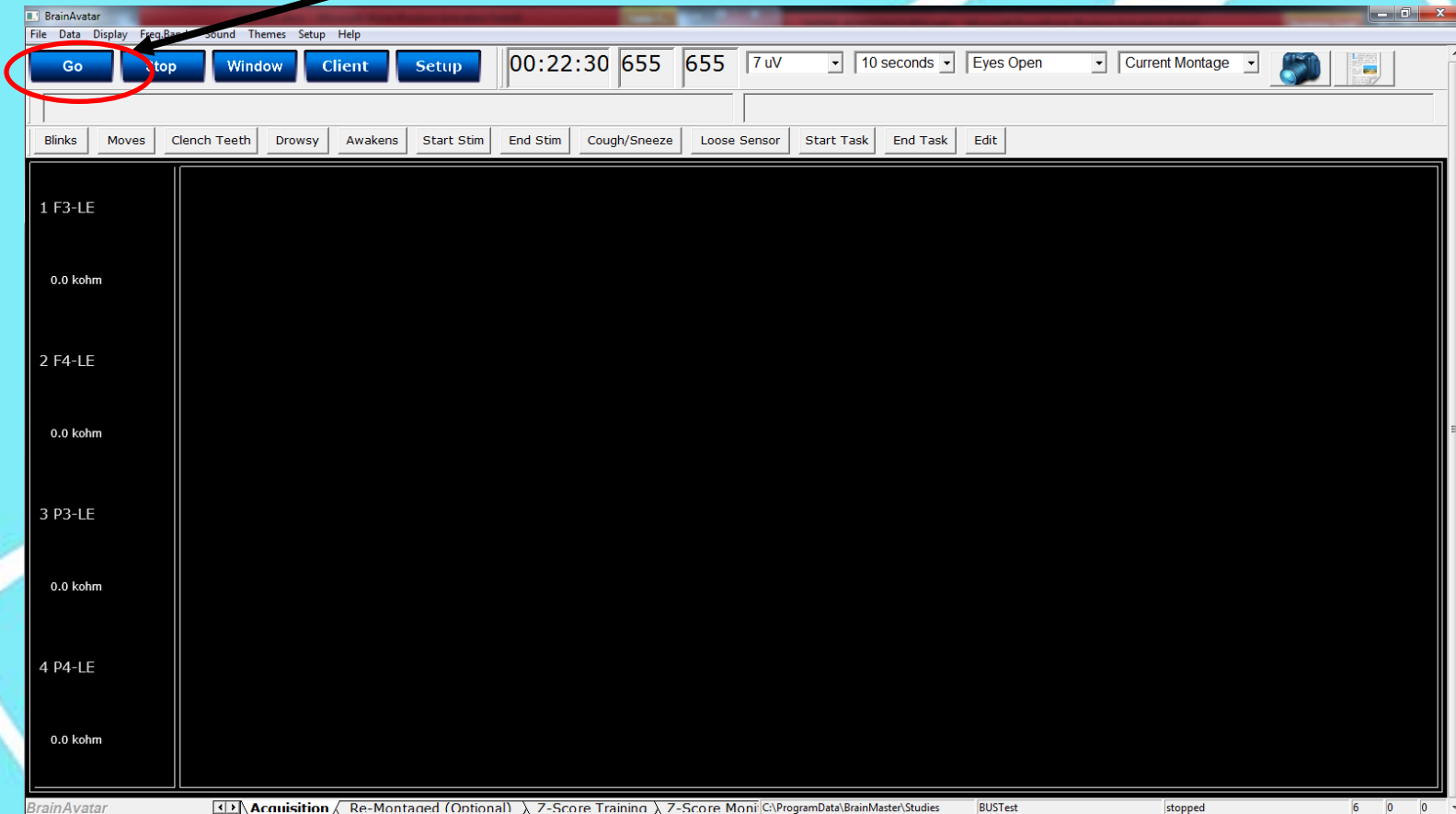


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# 4chPZOK for Atlantis

To run the protocol Click the "Go" Button



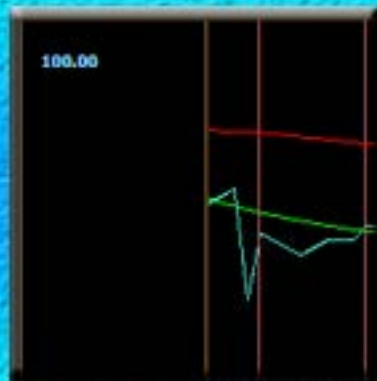
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