

Power Point Manual

Get On The
BUS



BrainMaster
Universe
Simplified



“focus”
level 2

Focus

Level 2

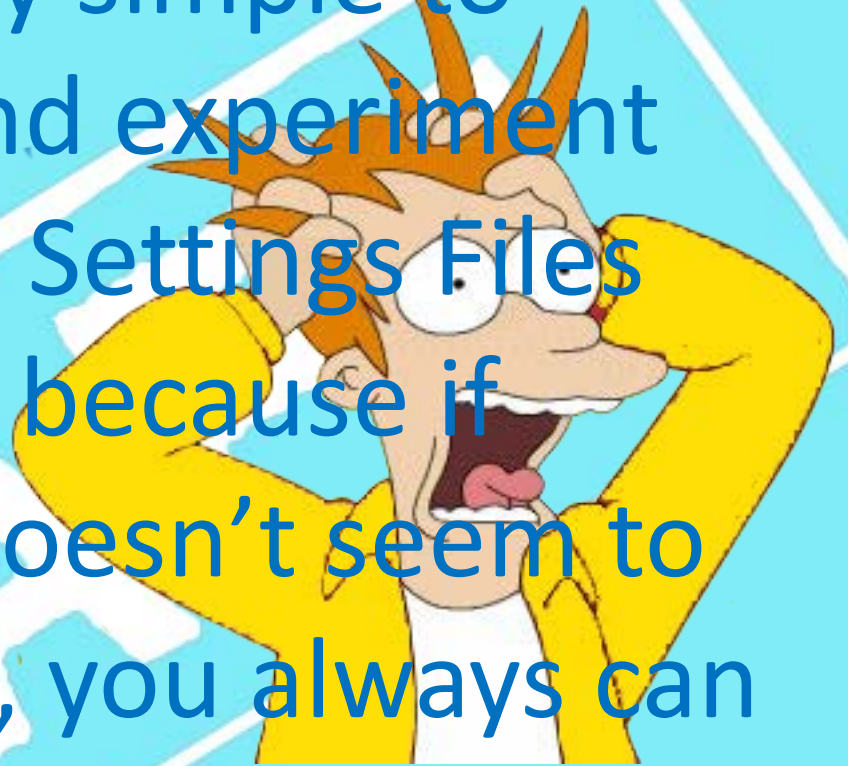
- How can I change the audible rewards to suit the client's or practitioner's liking.

Focus

Level 2

- The Level 1 Base Setting for the Focus Protocol uses the BrainAvatar built in .wav sounds which are simple yet very distinct. These sounds are generally considered the most useful for neurofeedback.
- However, there is a large array of sounds available which the practitioner has at her/his disposal to apply to any BrainAvatar protocol.

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

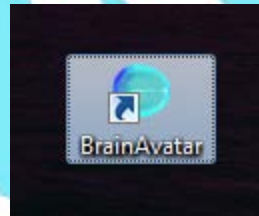
- Make Sure the Atlantis Amplifier is plugged in.



Focus

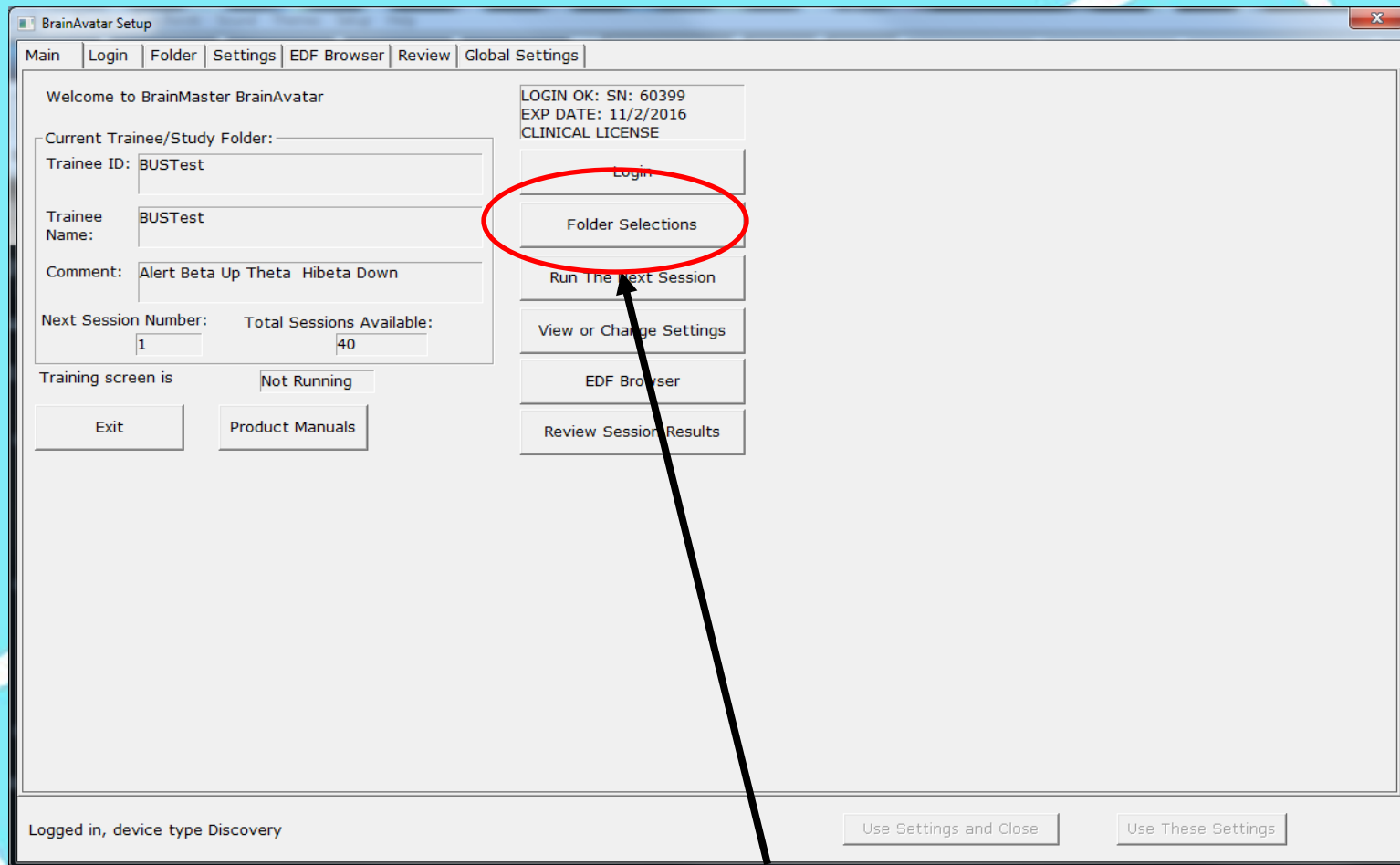
Level 2

- 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

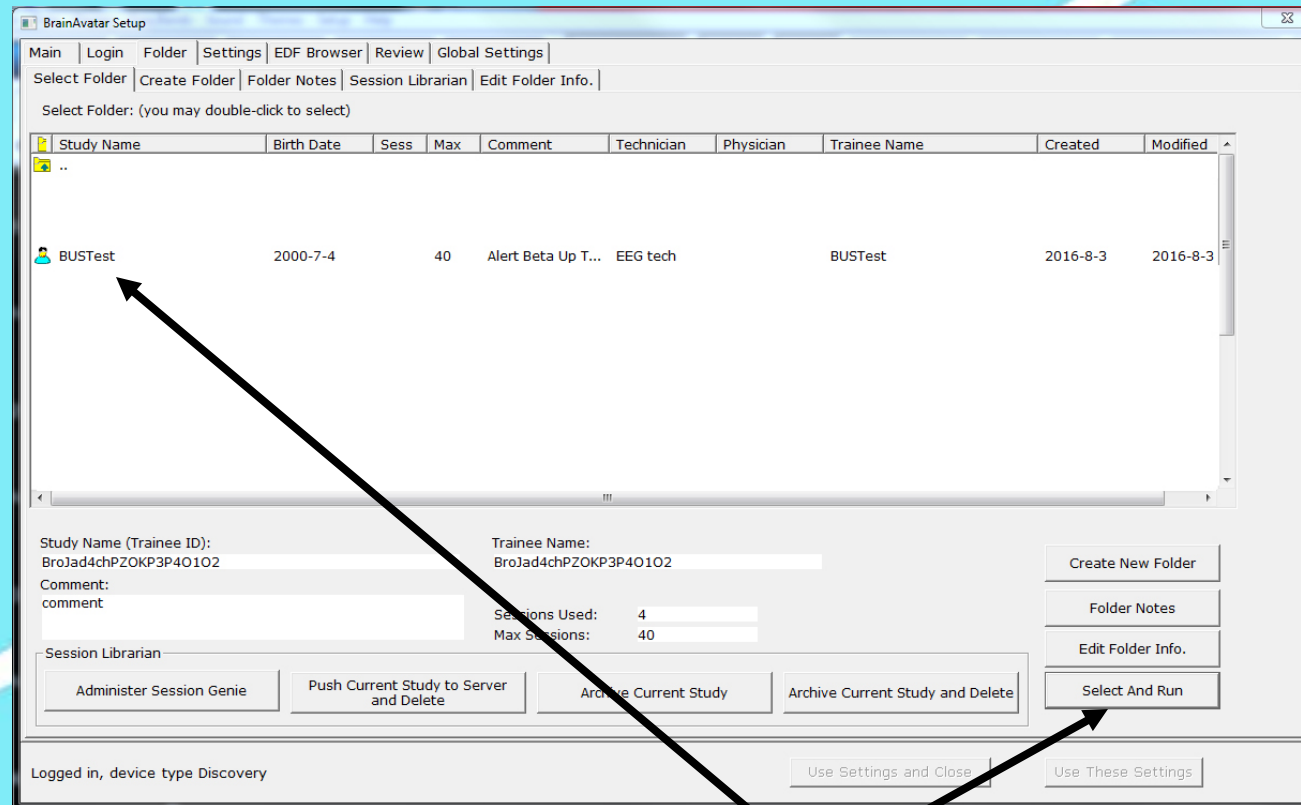
Administer Session Genie | Push Current Study to Server and Delete | Archive Current Study | Archive Current Study and Delete

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

Logged in, device type Discovery

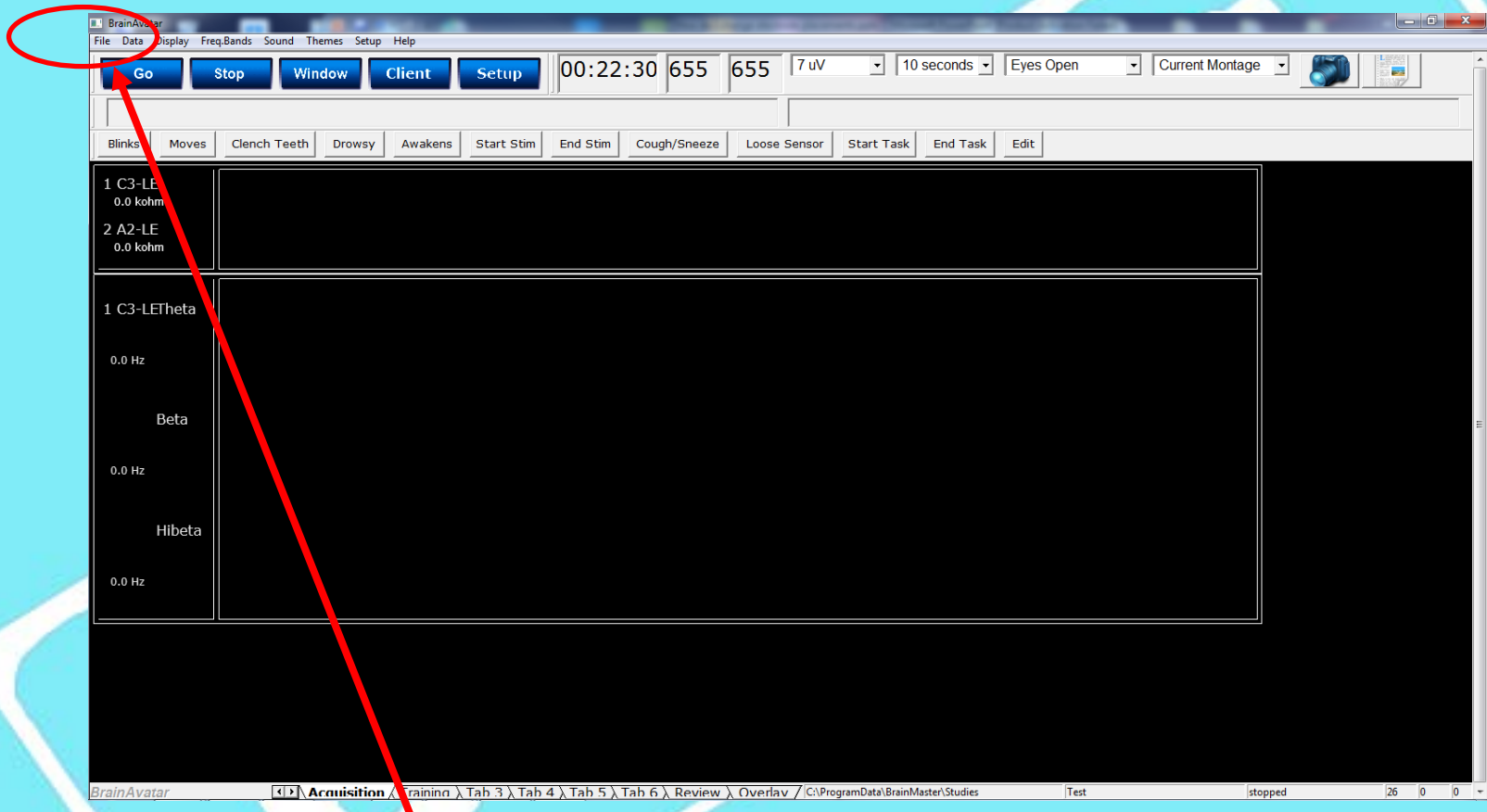
Use Settings and Close | Use These Settings

- The Select Folder Screen will appear.



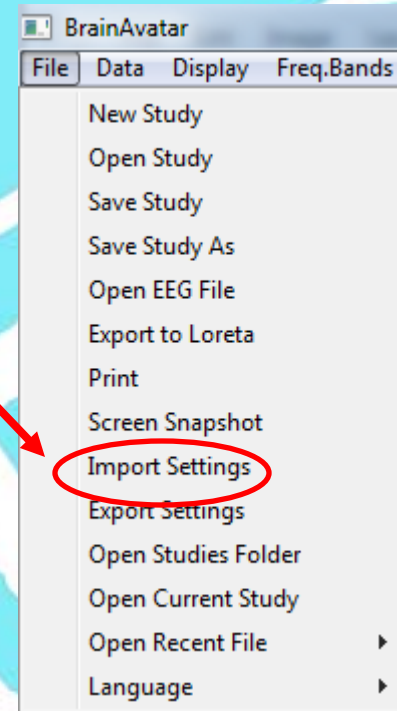
- Click the Study (Folder) you would like to open (in this case BUSTest) and then click “Select and Run”.

- 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”.



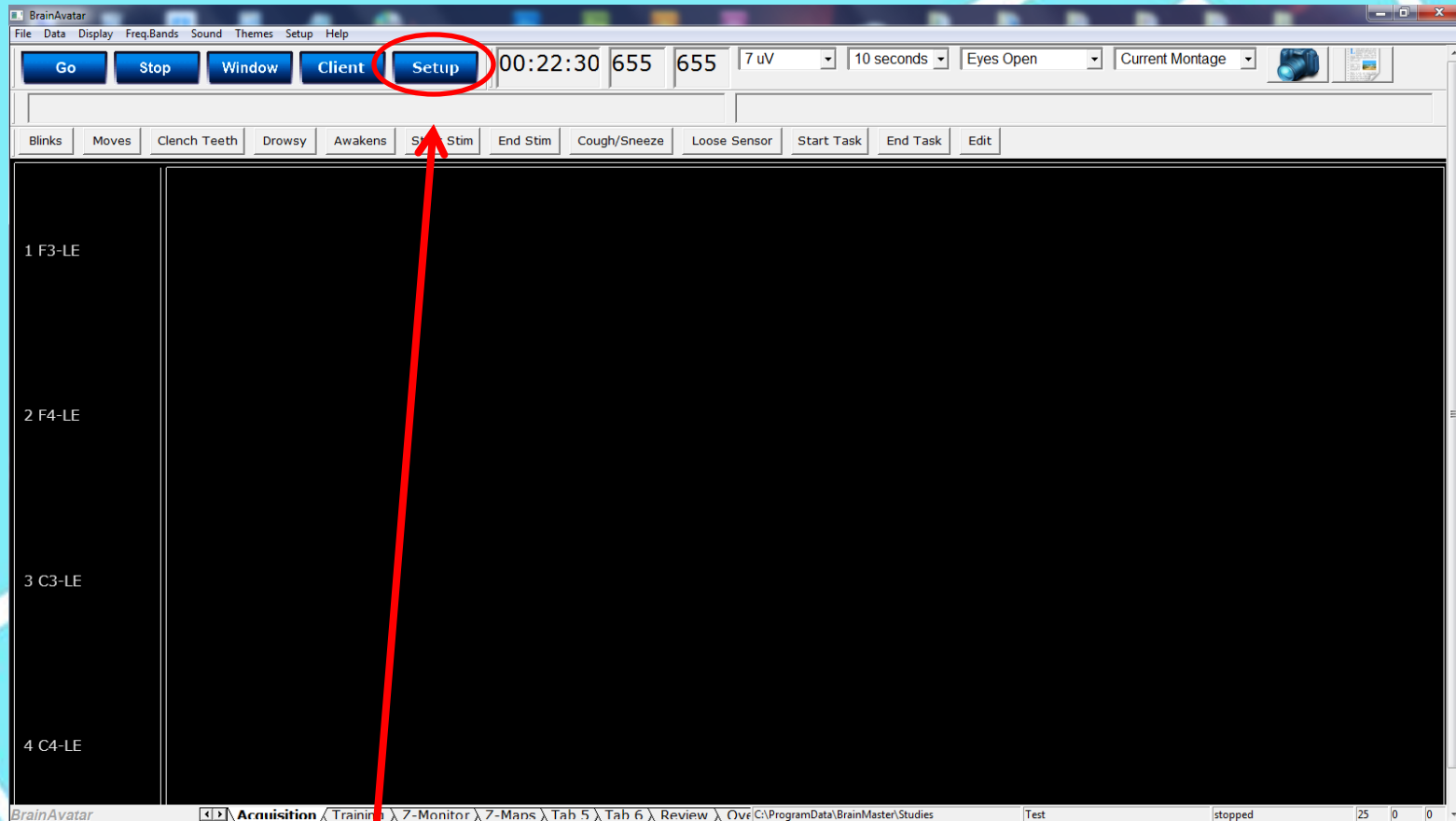
- Scroll to find the original Focus Level 1 File and double click it.

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

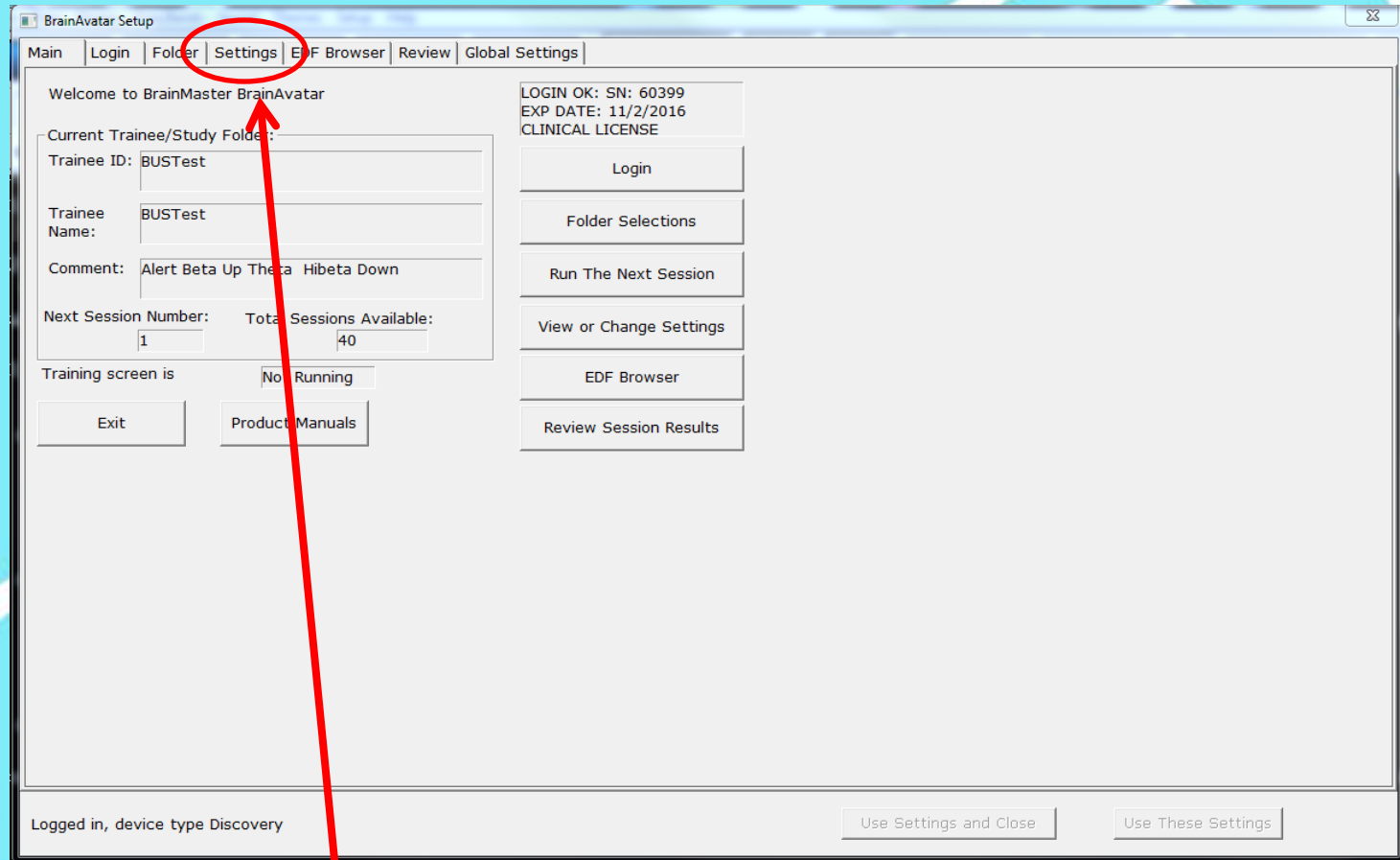
The Protocol is now ready for Modification



- Click “Setup”.

Focus

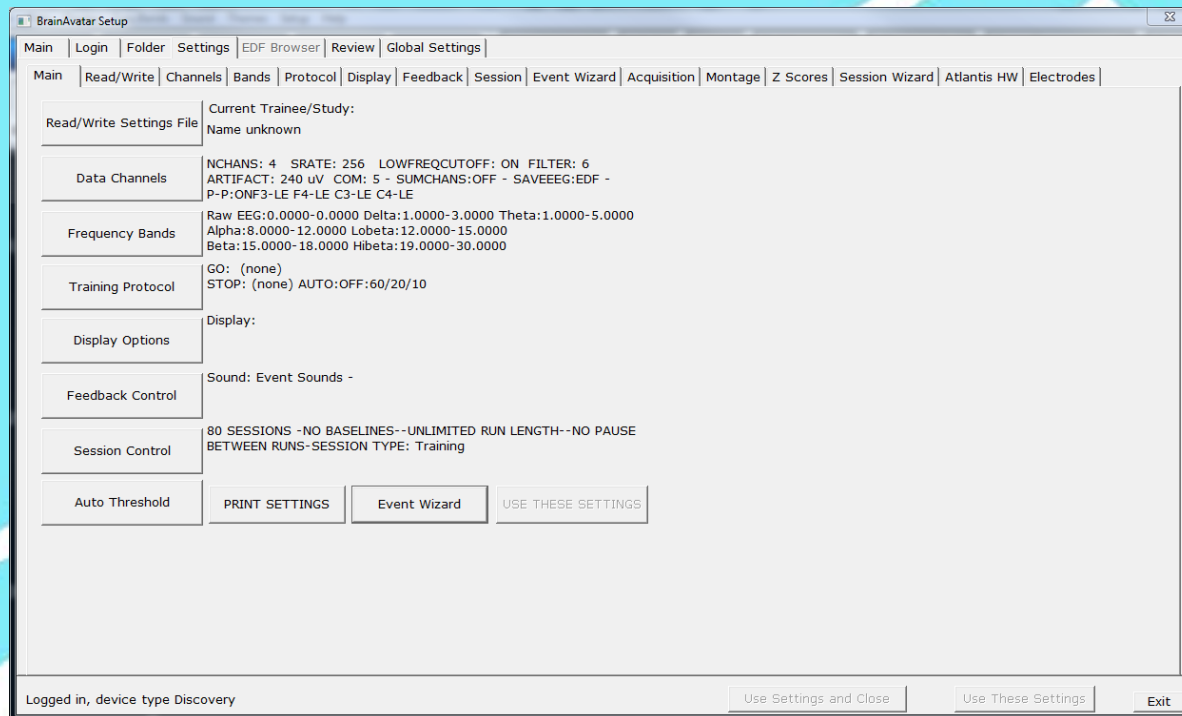
The Protocol is now ready for Modification



- Click “Settings”.

Focus

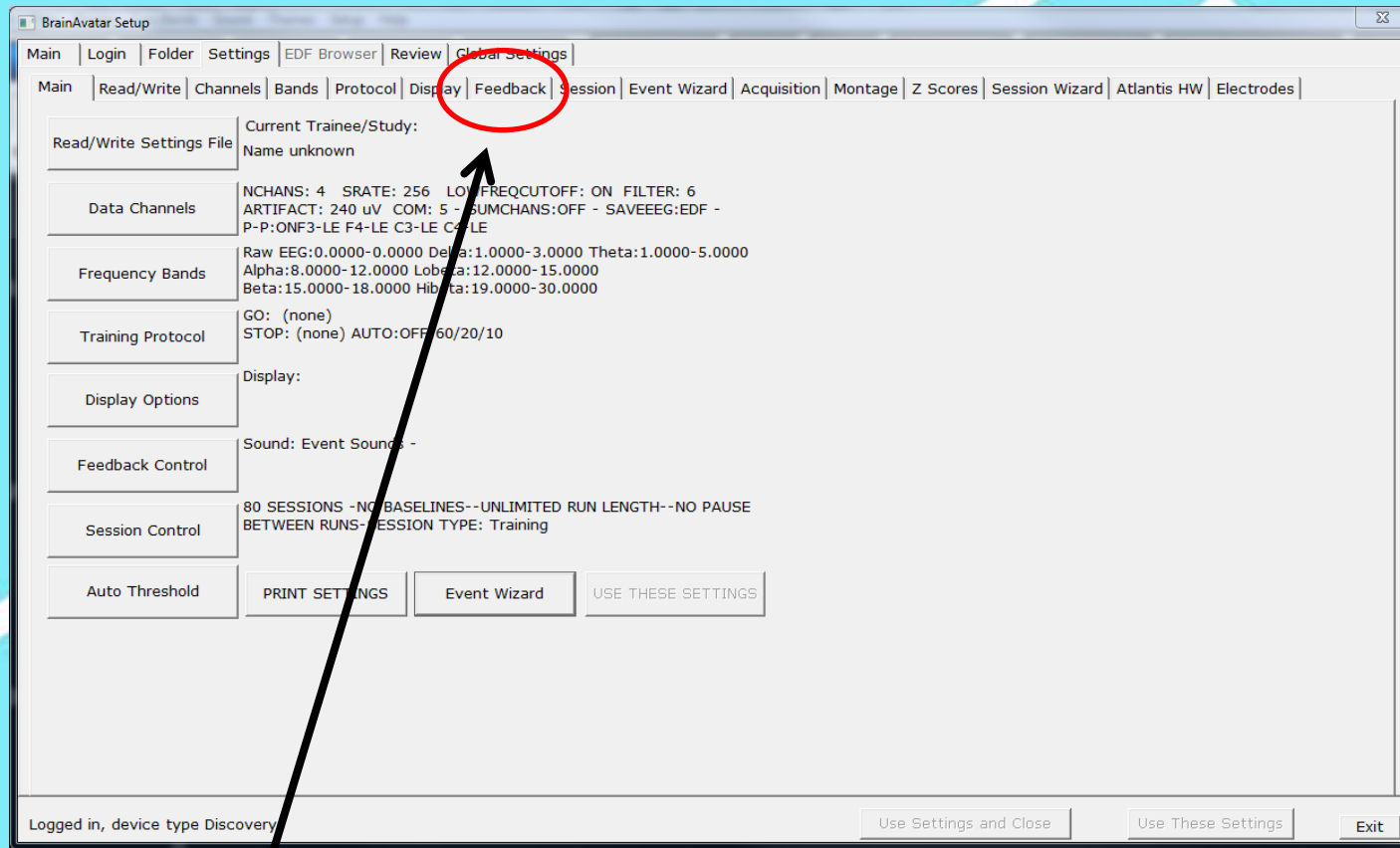
The Protocol is now ready for Modification



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

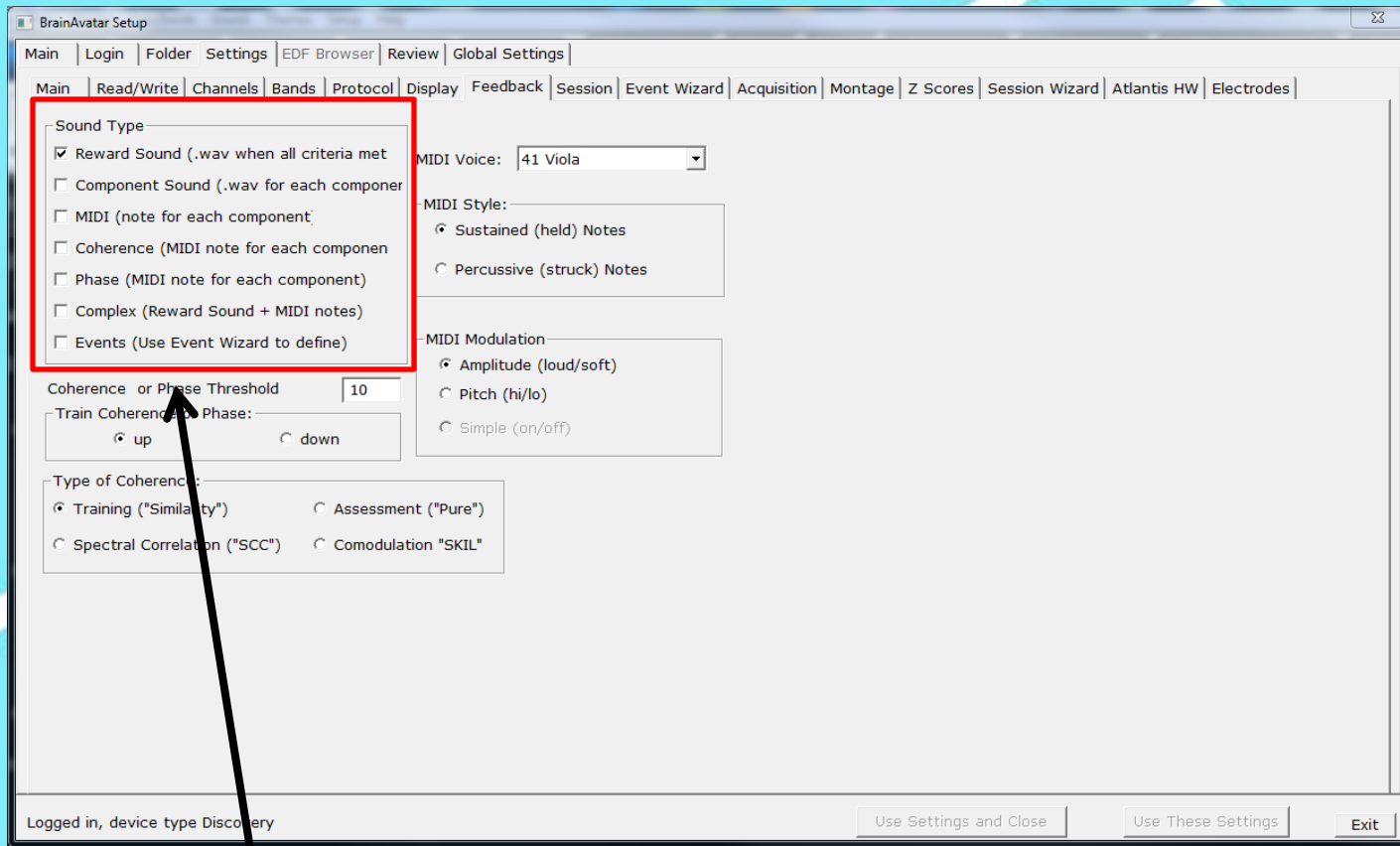
The Protocol is now ready for Modification



Click "Feedback".

Focus

The Protocol is now ready for Modification

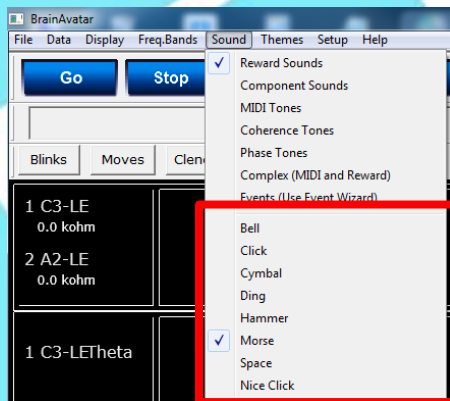
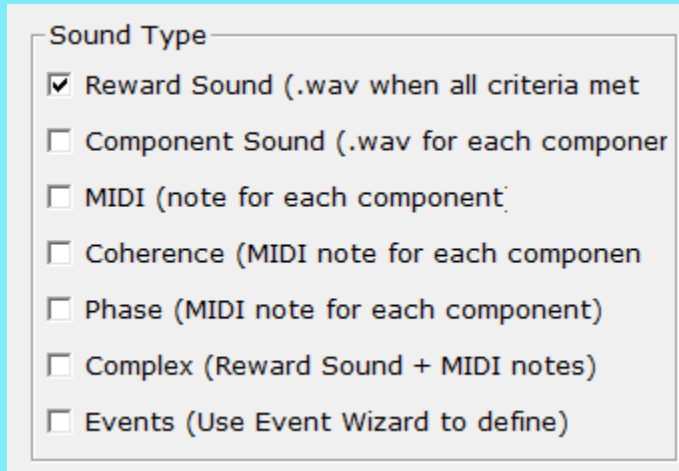


Along the left side you may observe the different types of sounds available.

Focus

The Protocol is now ready for Modification

- The default selection is a .wav sound. When this item is clicked different .wav sounds may be selected from the BrainAvatar Main Menu.

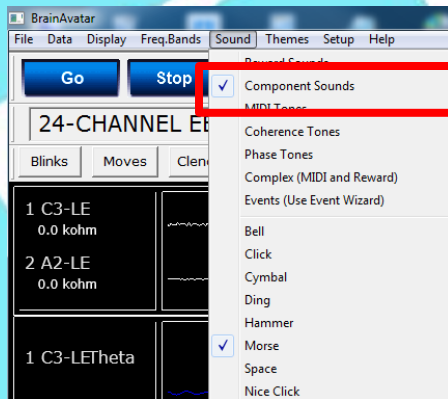
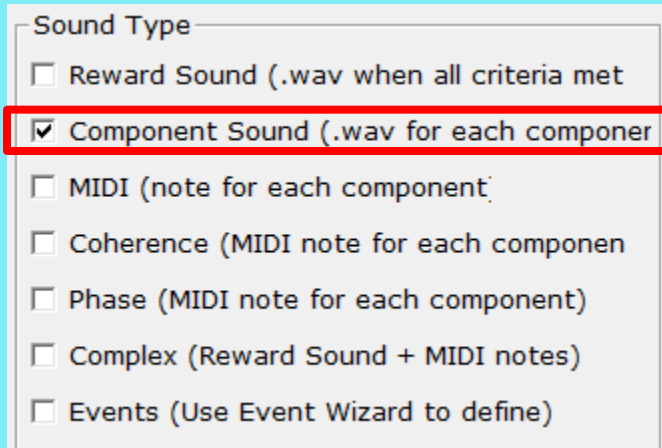


- The .wav choices may be selected from the main menu under the “Sound” menu heading and are outlined in the red rectangle. We urge you to try them all and find one that is comforting for both your client and yourself.

Focus

The Protocol is now ready for Modification

- The second choice, “Component Sound” produces a .wav tone for each reward or inhibit trained when threshold criteria are met. Thus if you have three thermometers you will get three distinct tones.



- The Component Sound choice may also be selected from the main menu under the “Sound” submenu heading and is outlined in the red rectangle.

Focus

The Protocol is now ready for Modification

Sound Type

- ☐ Reward Sound (.wav when all criteria met)
- ☐ Component Sound (.wav for each component)
- ☒ MIDI (note for each component)
- ☐ Coherence (MIDI note for each component)
- ☐ Phase (MIDI note for each component)
- ☐ Complex (Reward Sound + MIDI notes)
- ☐ Events (Use Event Wizard to define)

Coherence or Phase Threshold: 10

Train Coherence or Phase:

- ☒ up
- ☐ down

MIDI Voice: 41 Viola

MIDI Style:

- ☒ Sustained (held) Notes
- ☐ Percussive (struck) Notes

MIDI Modulation:

- ☒ Amplitude (loud/soft)
- ☐ Pitch (hi/lo)
- ☐ Simple (on/off)

- MIDI – (Musical Instrument Digital Interface) is included in BrainAvatar providing 128 digital sounds (Instruments) with thousands of permutations thereof. These may be selected in the Feedback window or through the Event Wizard where there is a greater range of control.

Focus

The Protocol is now ready for Modification

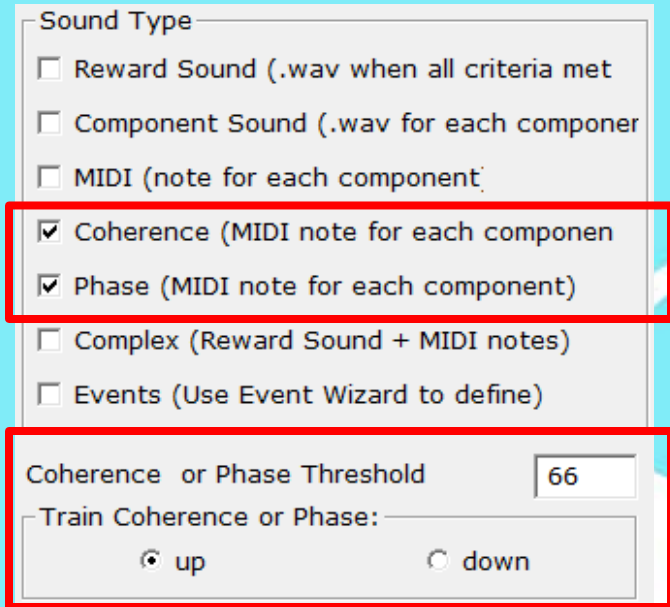
The screenshot displays the 'Focus' software interface with several settings highlighted by red boxes. The 'Sound Type' section on the left includes checkboxes for 'Reward Sound (.wav when all criteria met)', 'Component Sound (.wav for each component)', 'MIDI (note for each component)' (which is checked), 'Coherence (MIDI note for each component)', 'Phase (MIDI note for each component)', 'Complex (Reward Sound + MIDI notes)', and 'Events (Use Event Wizard to define)'. Below this is a 'Coherence or Phase Threshold' set to '10' and a 'Train Coherence or Phase' section with 'up' and 'down' radio buttons. On the right, the 'MIDI Voice' dropdown menu is set to '41 Viola'. The 'MIDI Style' section has two radio buttons: 'Sustained (held) Notes' (selected) and 'Percussive (struck) Notes'. The 'MIDI Modulation' section has three radio buttons: 'Amplitude (loud/soft)' (selected), 'Pitch (hi/lo)', and 'Simple (on/off)'.

- The MIDI choices in the Feedback window include:
 - The Voice or instrument
 - The MIDI Style where Sustained produces a continuous tone while Percussive produces a single tone (These choices may be dependent upon the voice chosen.
 - MIDI Modulation which either selects the volume to change or the notes to be changed.

Focus

The Protocol is now ready for Modification

- The Coherence and Phase choices produce MIDI sounds in conjunction with Peak protocols when the Brainmaster built in digital filters are used. A different sound will be produced for each coherence or phase component when threshold conditions are met.
- The Threshold and whether you are uptraining or downtraining coherence or phase are selected from this menu as well.



Sound Type

☐ Reward Sound (.wav when all criteria met)

☐ Component Sound (.wav for each componer)

☐ MIDI (note for each component)

☒ Coherence (MIDI note for each componen)

☒ Phase (MIDI note for each component)

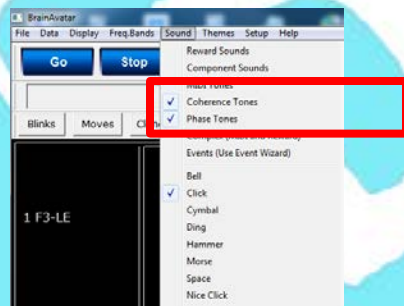
☐ Complex (Reward Sound + MIDI notes)

☐ Events (Use Event Wizard to define)

Coherence or Phase Threshold

Train Coherence or Phase:

☒ up ☐ down



- The Coherence and Phase sound choices may also be selected from the Sound Submenu.

Focus

The Protocol is now ready for Modification

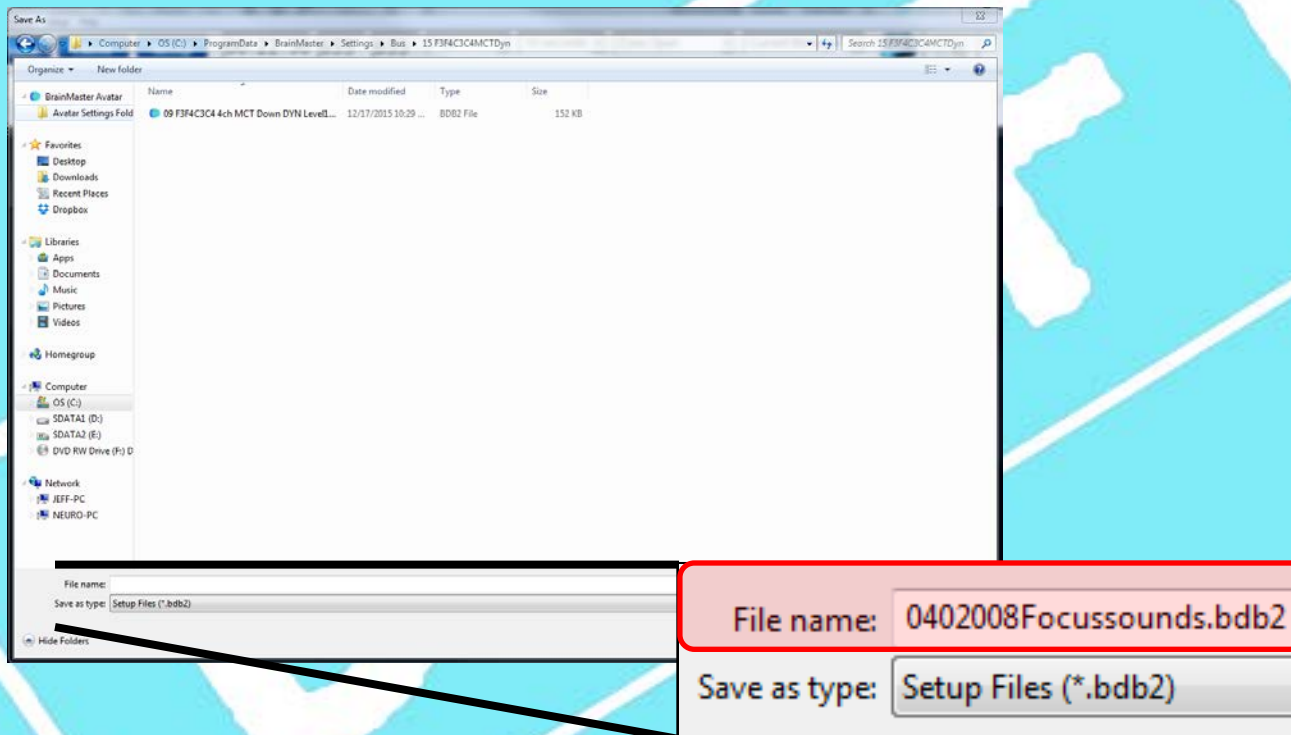


Once you close the Settings Screen you are returned to the “Acquisition Tab” of the Protocol. You may now save the changes made as we have performed in previous exercises.

Focus

Level 2

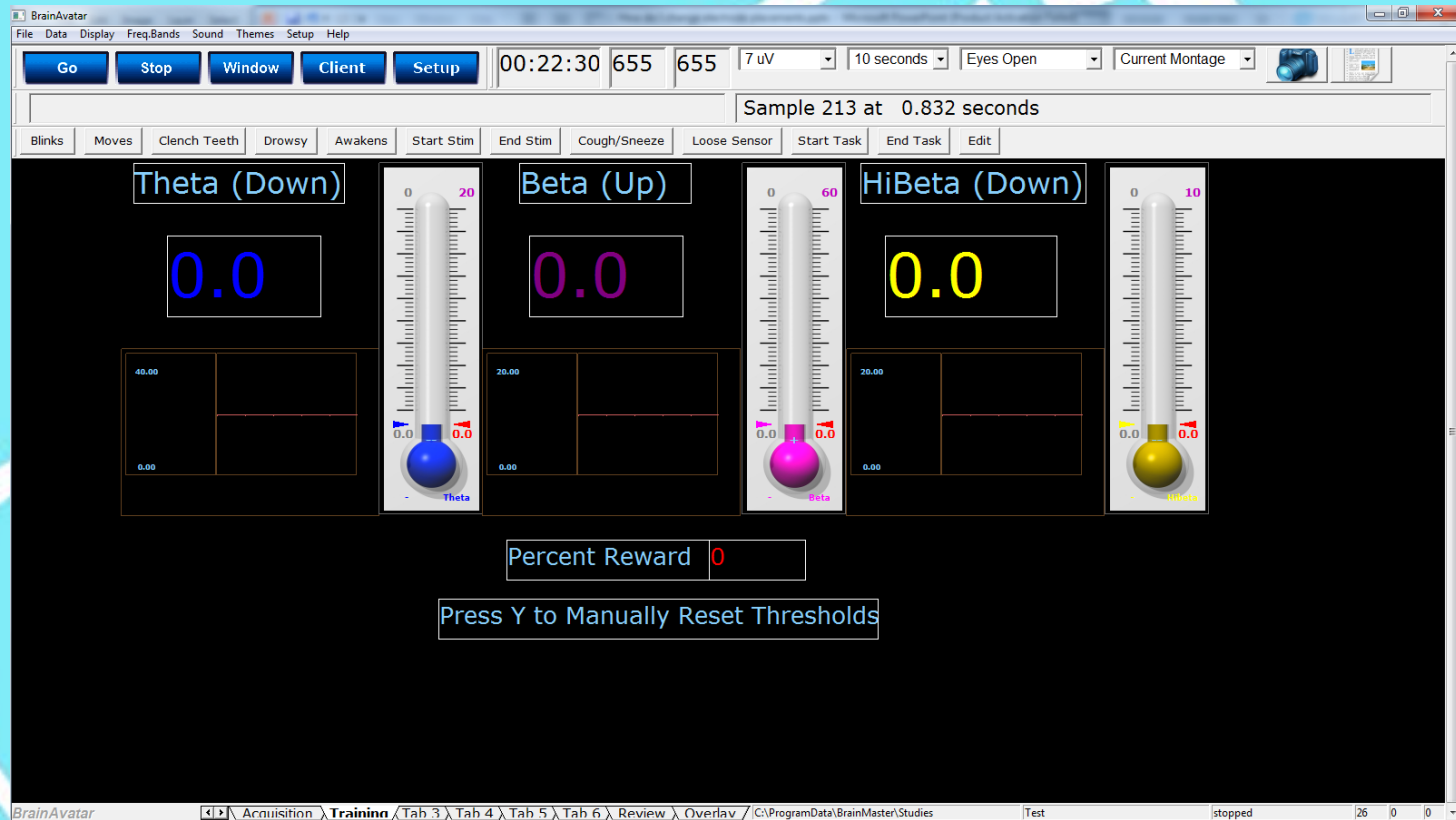
Find the folder where you keep these settings and name the file appropriately in the “File Name:” window.



Focus

Level 2

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



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