

Power Point Manual

**Get On The
BUS**



**BrainMaster
Universe
Simplified**



“Alert”
level 1
(No Changes)

Alert

Level 1

- At level 1 the “Alert” Setting provides beta (15Hz - 20Hz) enhancement at C3.
- By providing elevation of beta at C3 the client may achieve a heightened sense of awareness of the external environment, perhaps an increase in reaction time and a greater sense of well-being and joy from activation on the left side of the brain.

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.

Alert

Level 1

- While beta is being enhanced, theta (4Hz - 7Hz) is inhibited. Theta is a measure of how internally focused one is. Being internally focused one may be concentrating on self inventory or daydreaming which is contrary to being "Alert". Therefore, a client is trained to maintain lower levels of theta while increasing levels of beta.

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Alert

Level 1

- While beta is being enhanced, hibeta (20Hz – 30Hz) is inhibited. Hibeta is a measure of how hypervigilant or anxious one is. Being anxious, one shuffles through many unfocused thoughts which is contrary to being “Alert”. Therefore a client is trained to maintain lower levels of hibeta while increasing levels of beta.

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Alert

Level 1

Lets Begin

- Make Sure the Atlantis Amplifier is plugged in.

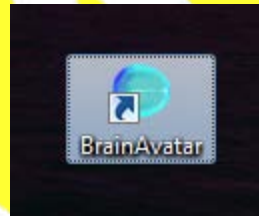


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Alert

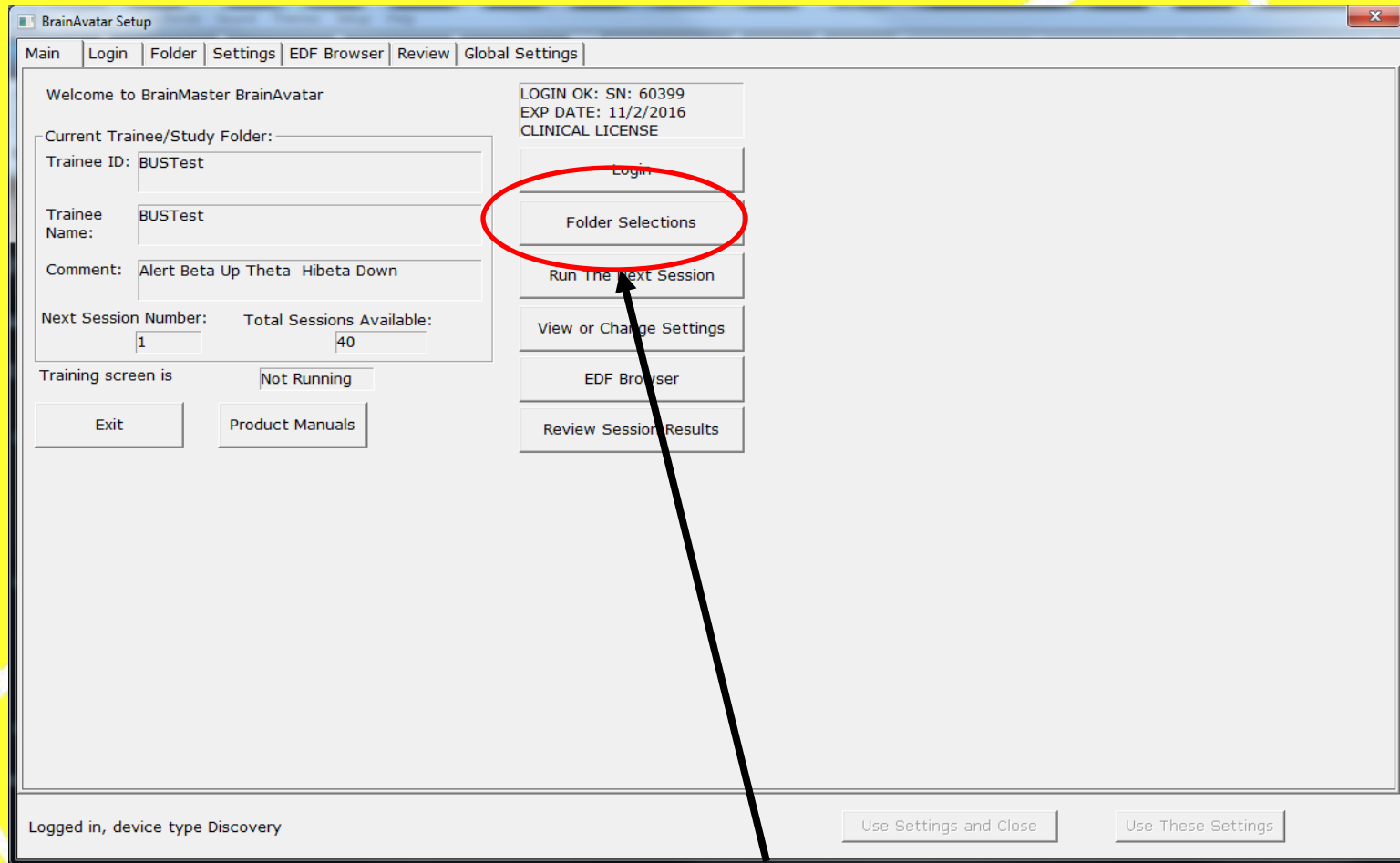
Level 1

- Open BrainAvatar by double-clicking the BrainAvatar Icon



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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

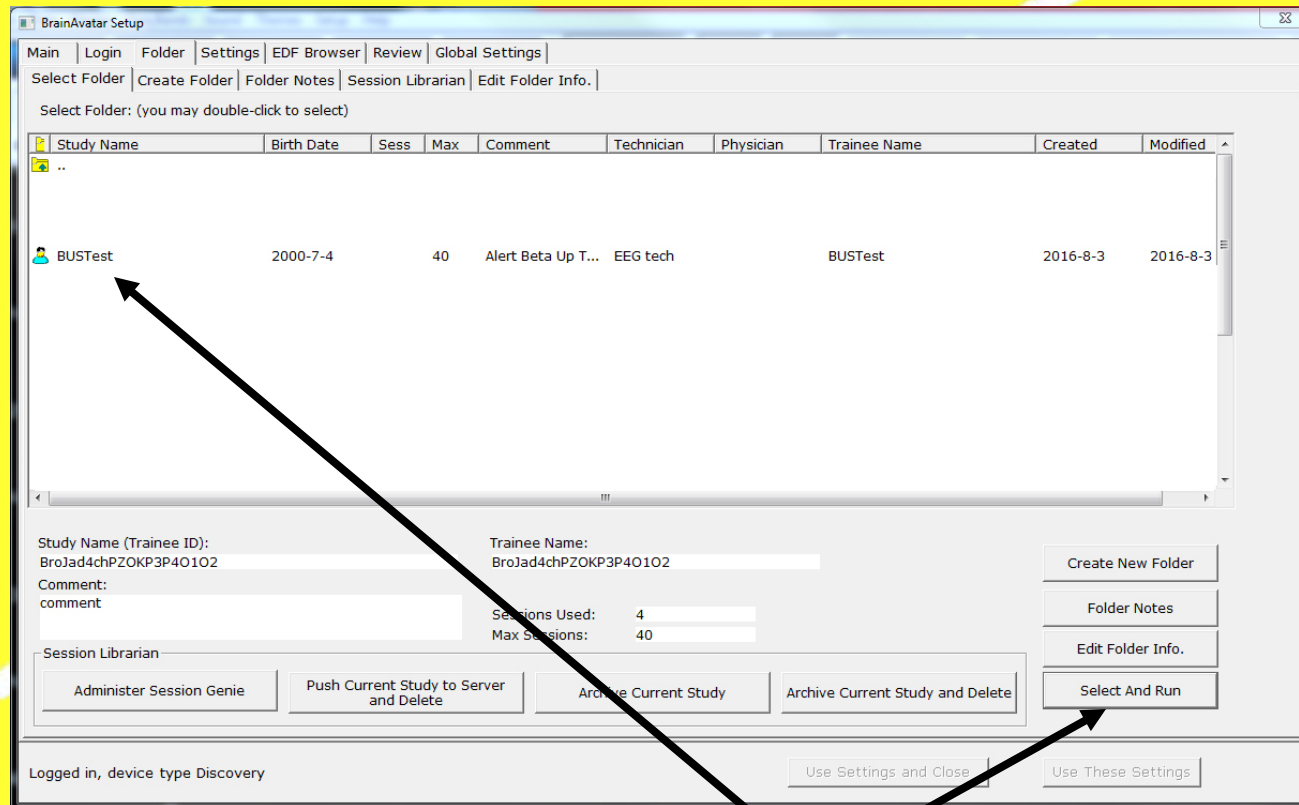
Create New Folder | Folder Notes | Edit Folder Info. | Select And Run

Logged in, device type Discovery

Use Settings and Close | Use These Settings

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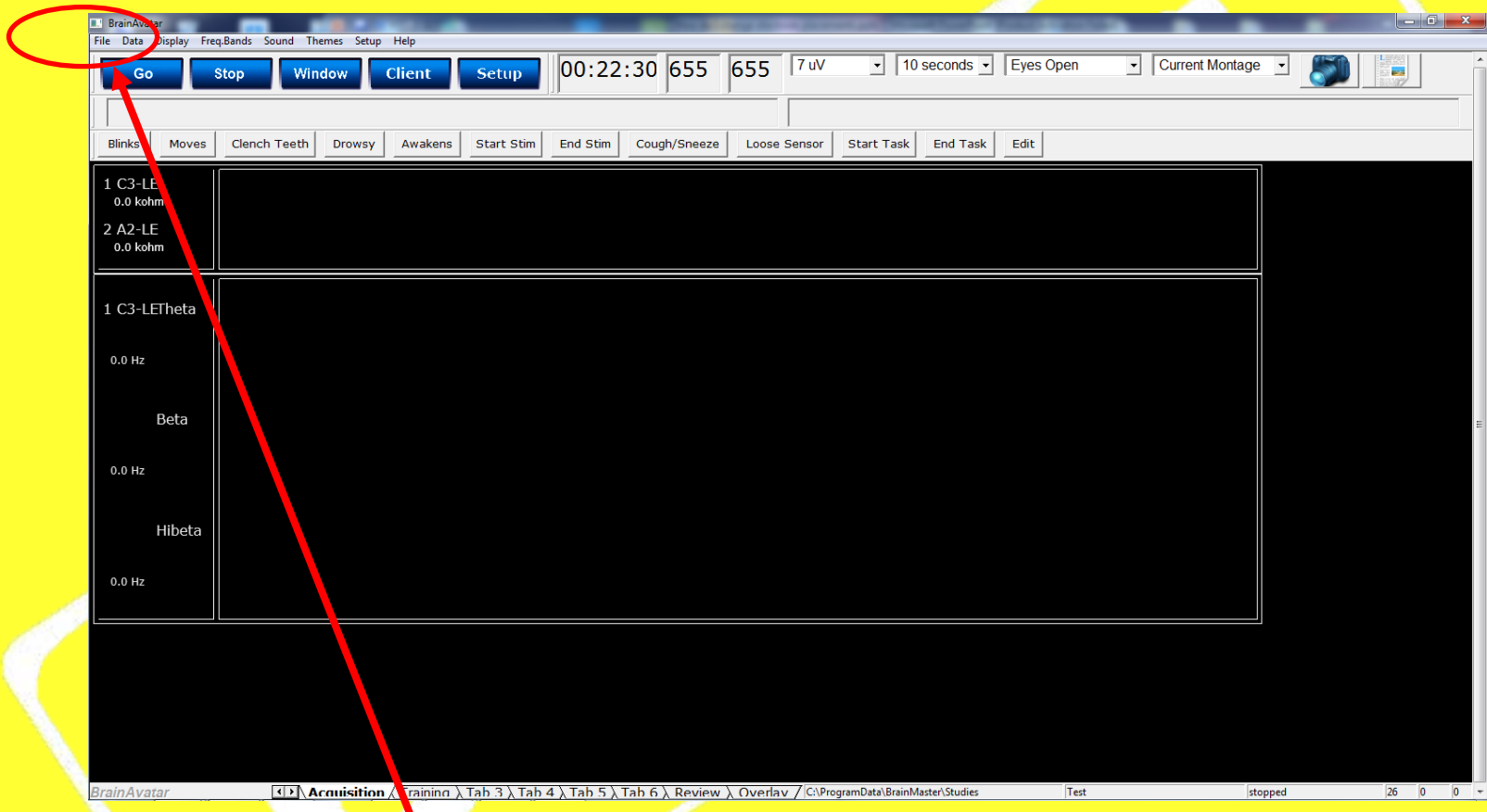
- The Select Folder Screen will appear.



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

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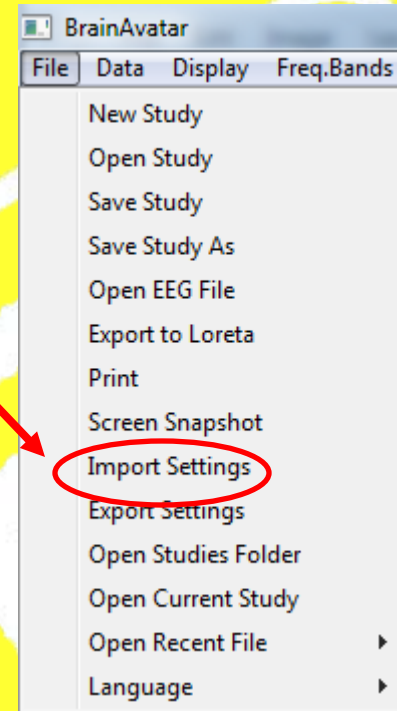
- The BrainAvatar Acquisition Screen is illuminated. Let's load the original ALERT Level 1 Setting File.




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

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- Next click “Import Settings”



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

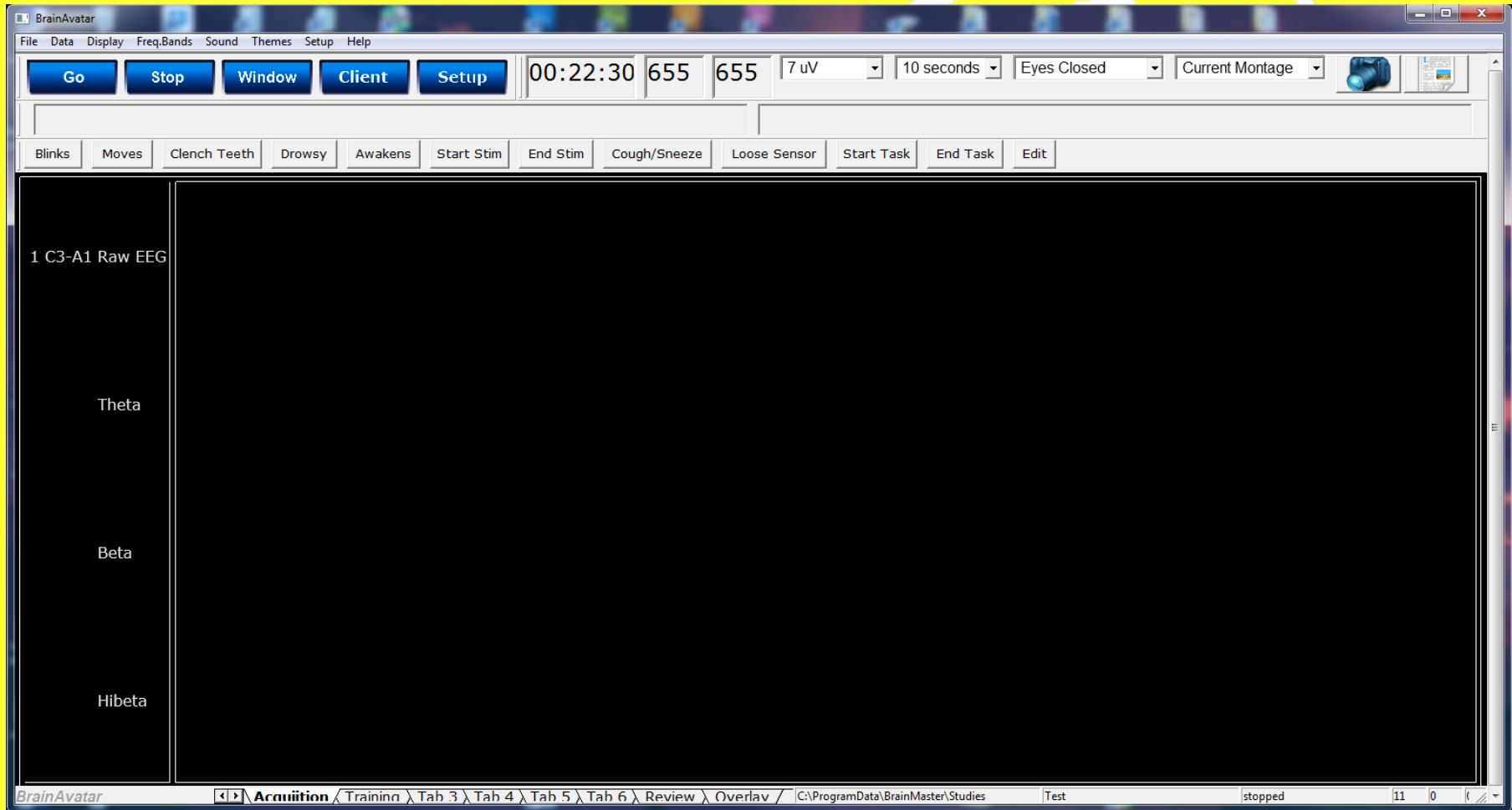
Name	Date modified	Type	Size
 0201001Alert.bdb2	11/20/2015 12:31 ...	BDB2 File	142 KB

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

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Alert

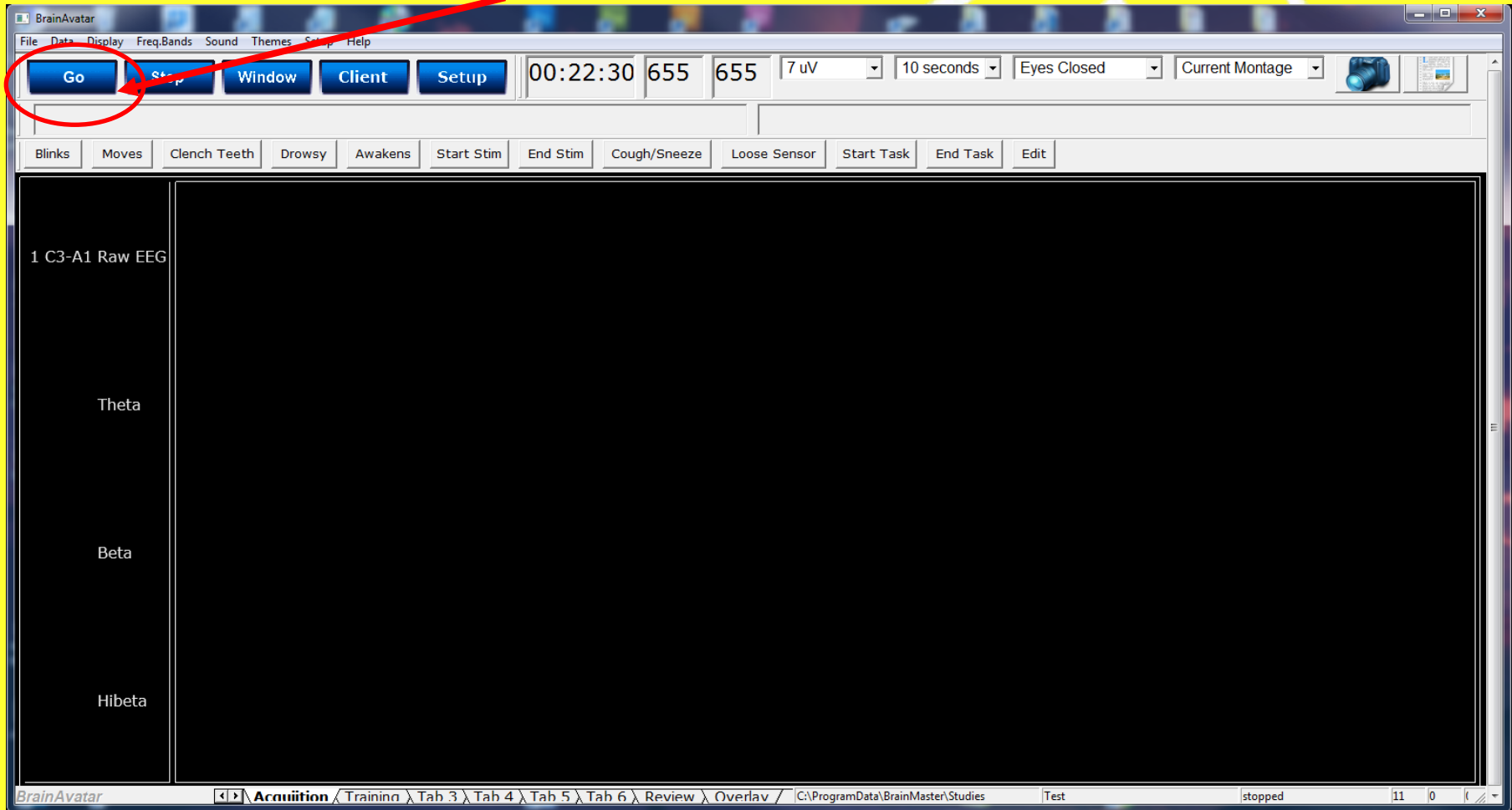
The Protocol is now ready to run



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Alert

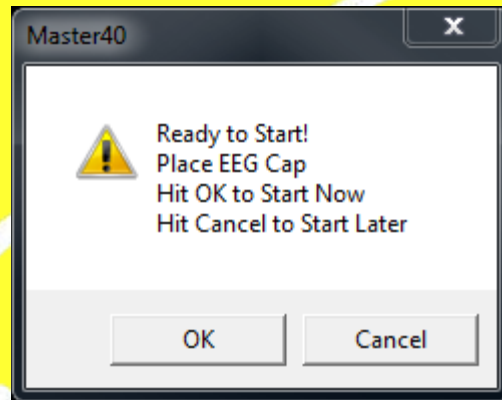
Click the "Go" Button



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Alert

The Following Pop Up will appear



This is an indication to do one of two things:

1. Place an electrode at C3 and the other end into the “A1” slot of the Atlantis Cable.
2. Attached the two ear clips and place one end into the “R1” slot and the other end into the “G” slot of the Atlantis Cable.

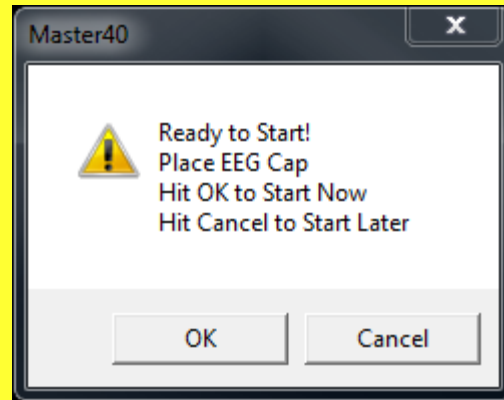
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Alert



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Click "OK"

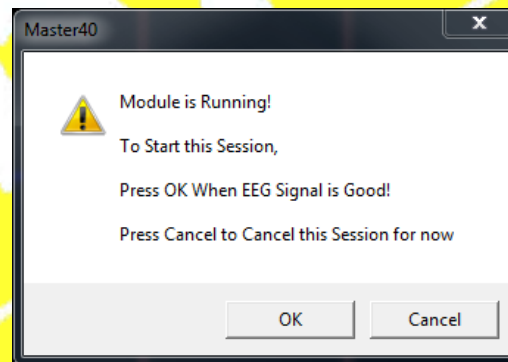


When you click "OK" 4.0 BrainAvatar will begin recording EEG.

1. Check all impedance lights on the Atlantis illuminate "Green"

1. Check to make sure that the EEG is recording properly.

- a. If not then revisit all your connections and impedances. Make sure there is no interference and that all cell phones are off.
- b. If the EEG is correct then click "OK" on the Pop Up and commence the session.



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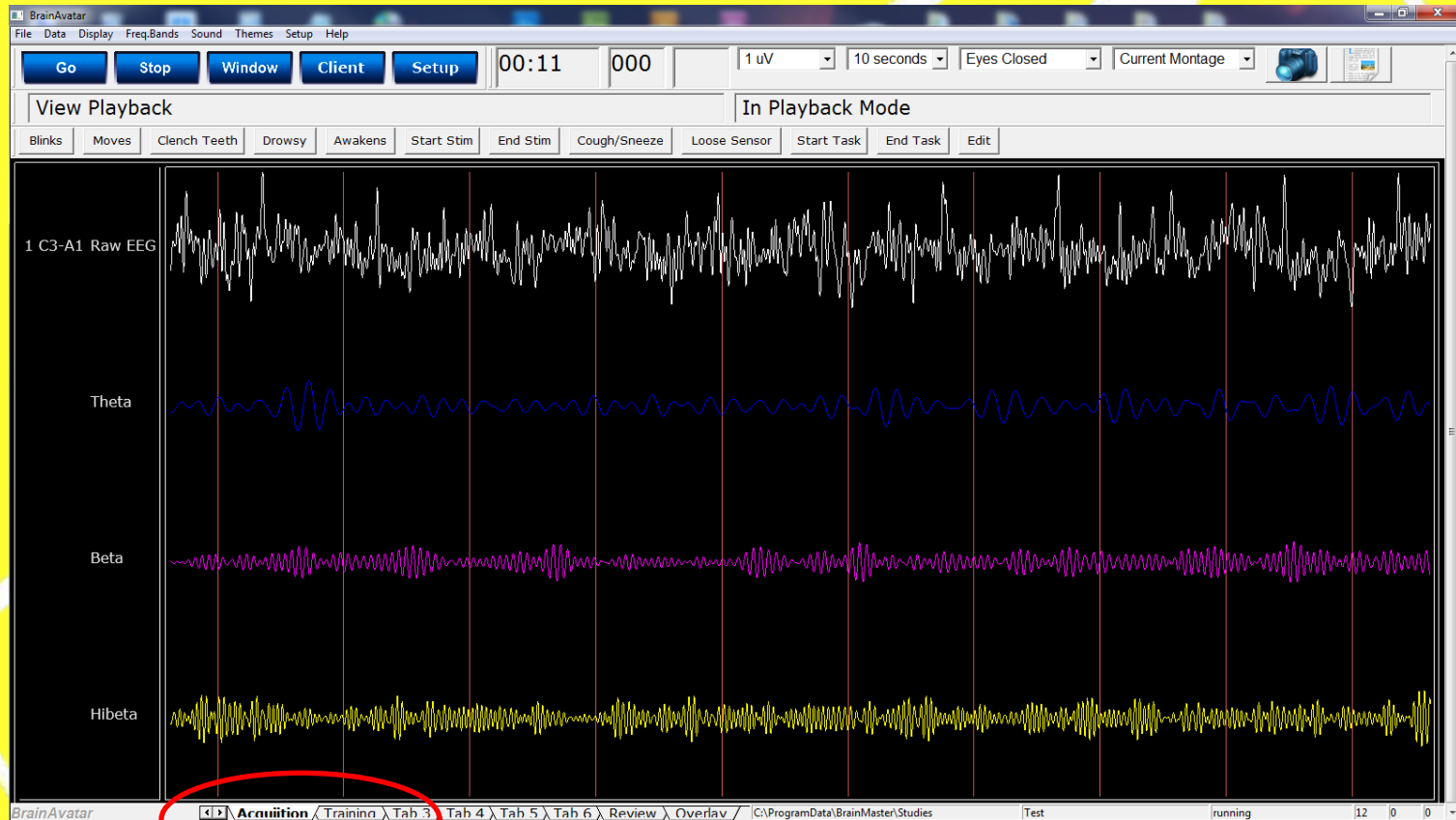
The protocol is designed to run for :

1. 10 contiguous 3 minute runs or 30 minutes. You may shorten the length of the session by clicking the “STOP” key at any time.
2. Thresholding is Automatic meaning that reward and inhibits are set automatically by the program.
 - a. Theta inhibit is set automatically at 20% of the time over threshold and is reset at the beginning of each 3 minute round.
 - b. Beta reward is set at 60% of the time over threshold and is reset at the beginning of each 3 minute round.
 - c. HiBeta inhibit is set at 10% of the time over threshold and is reset at the beginning of each 3 minute round.
3. Points are accumulated at the top of the screen
4. A variety of games are provided to help engage the client

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Alert

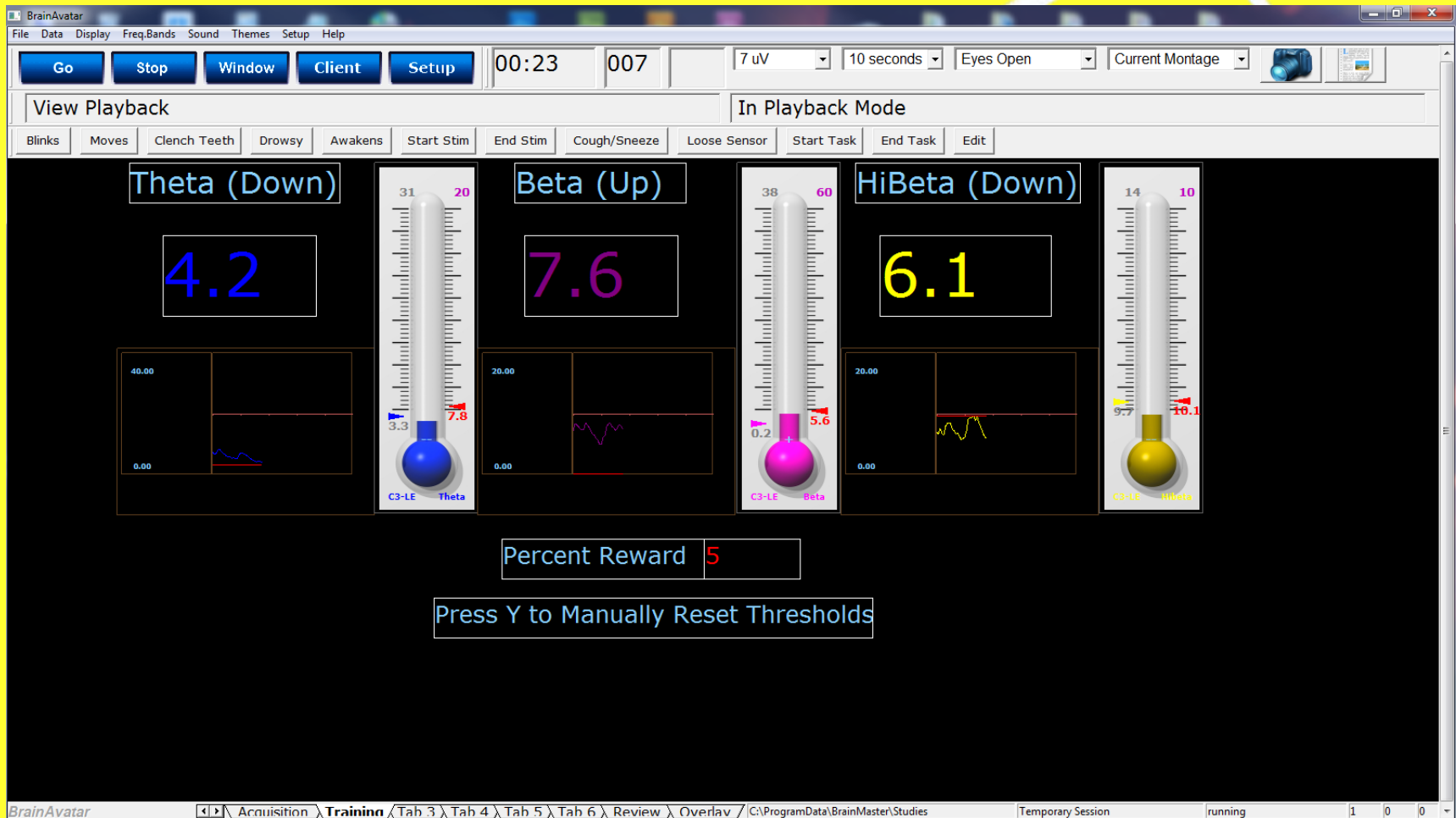
Take a moment and check that the EEG is good. If not, then take necessary action



Next...please switch from the Acquisition Tab to the Training Tab by clicking “Training”.

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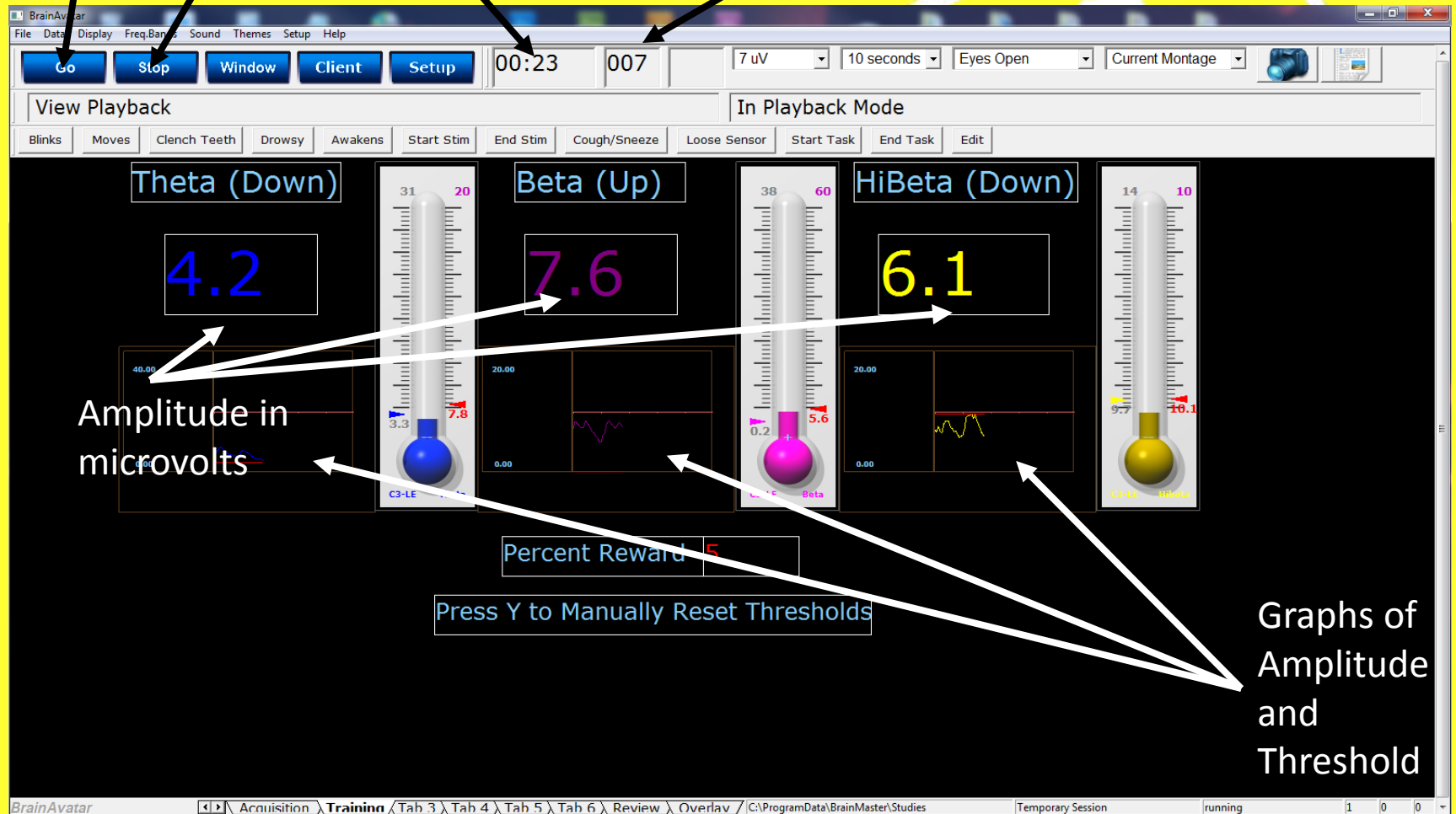
Alert



Your screen should now look something like this

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Start Session Stop Session Countdown Timer started at 30 min Points scored when all criteria have been met



Amplitude in microvolts

Graphs of Amplitude and Threshold

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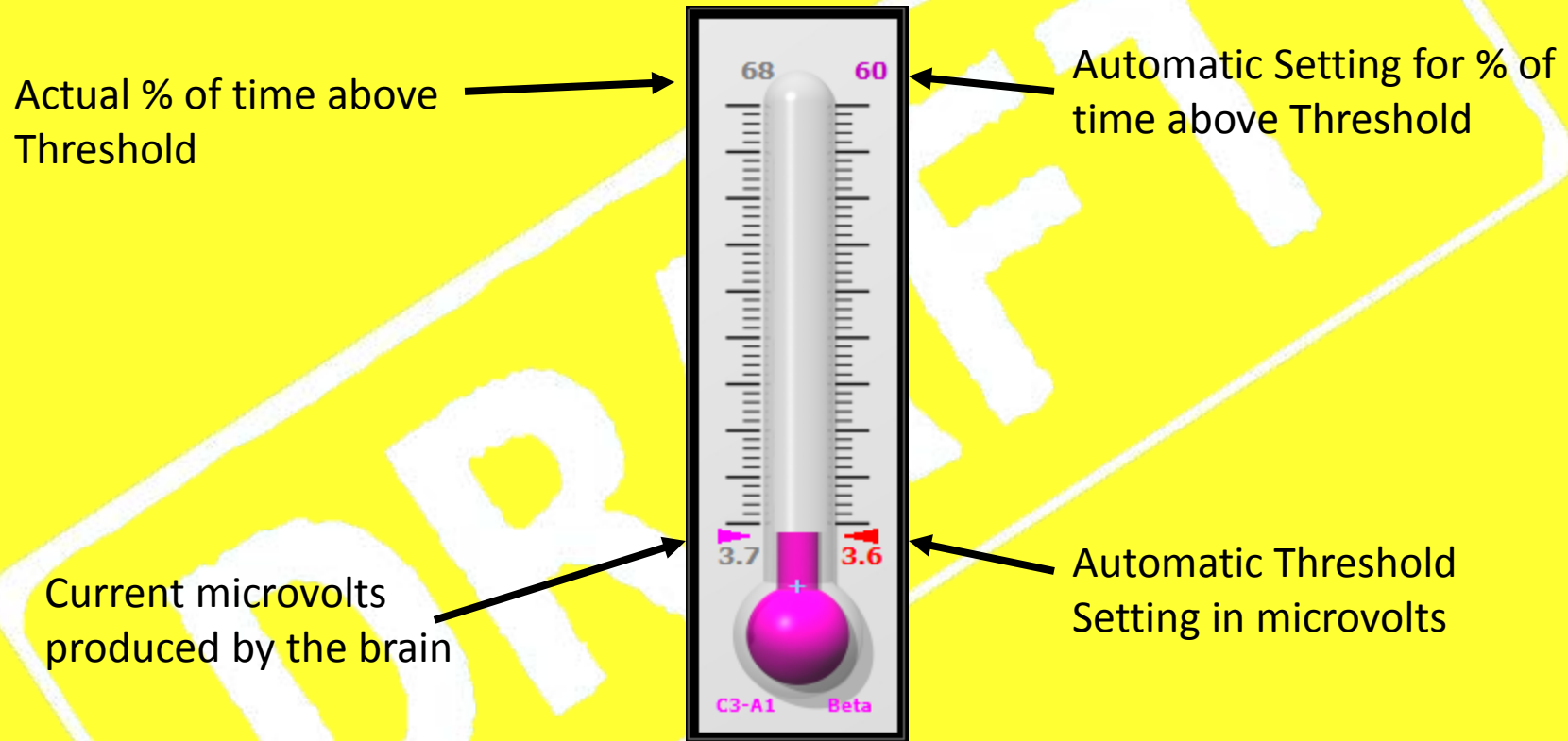
Alert

TO PRIME THE AUTOMATIC THRESHOLDING, CLICK THE “Y” KEY THIRTY (30) SECONDS AFTER THE PROGRAM IS STARTED.

If there seems to be a disparity between the automatic thresholding and the actual microvolts, clicking the “Y” key anytime will cause the threshold to equal the actual performance of the client and resume thresholding at that point.

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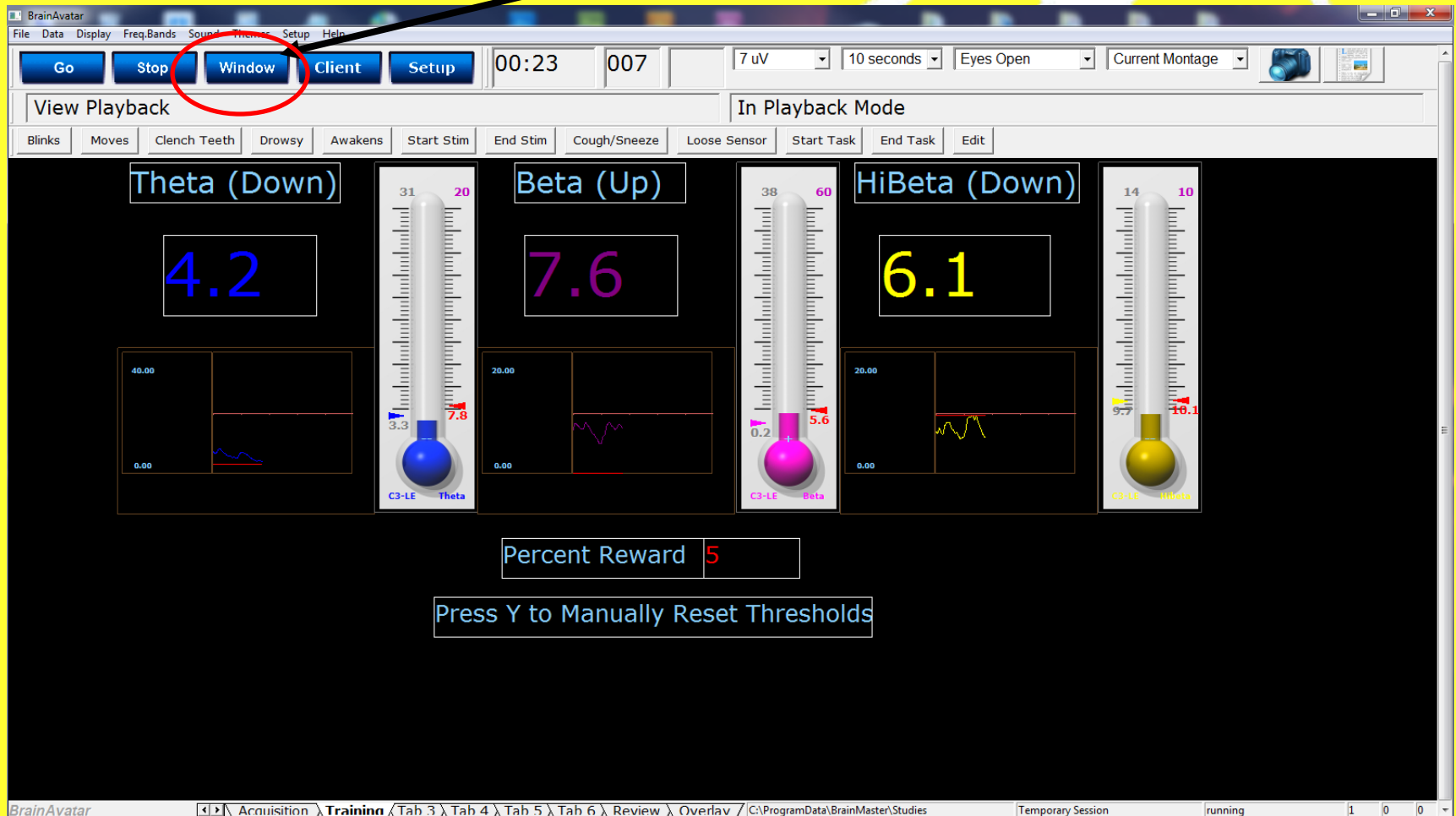
Reading the Thermometer



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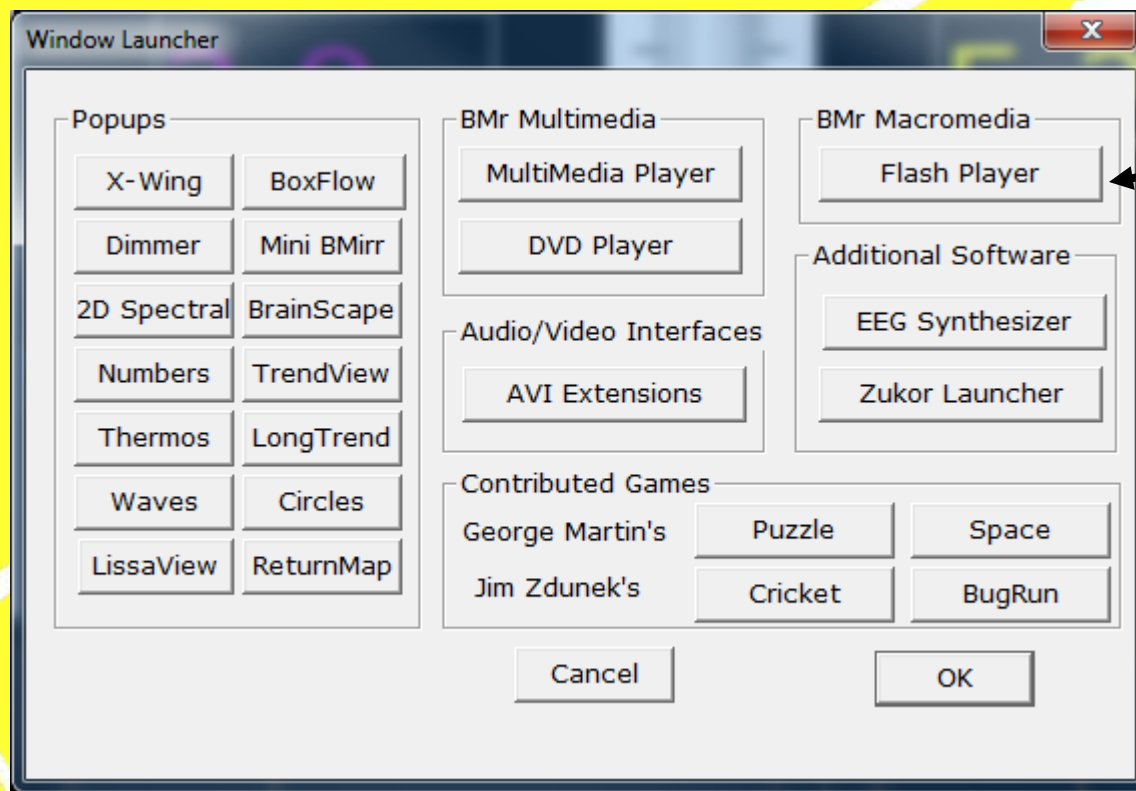
Flash Player for Games

Select Window



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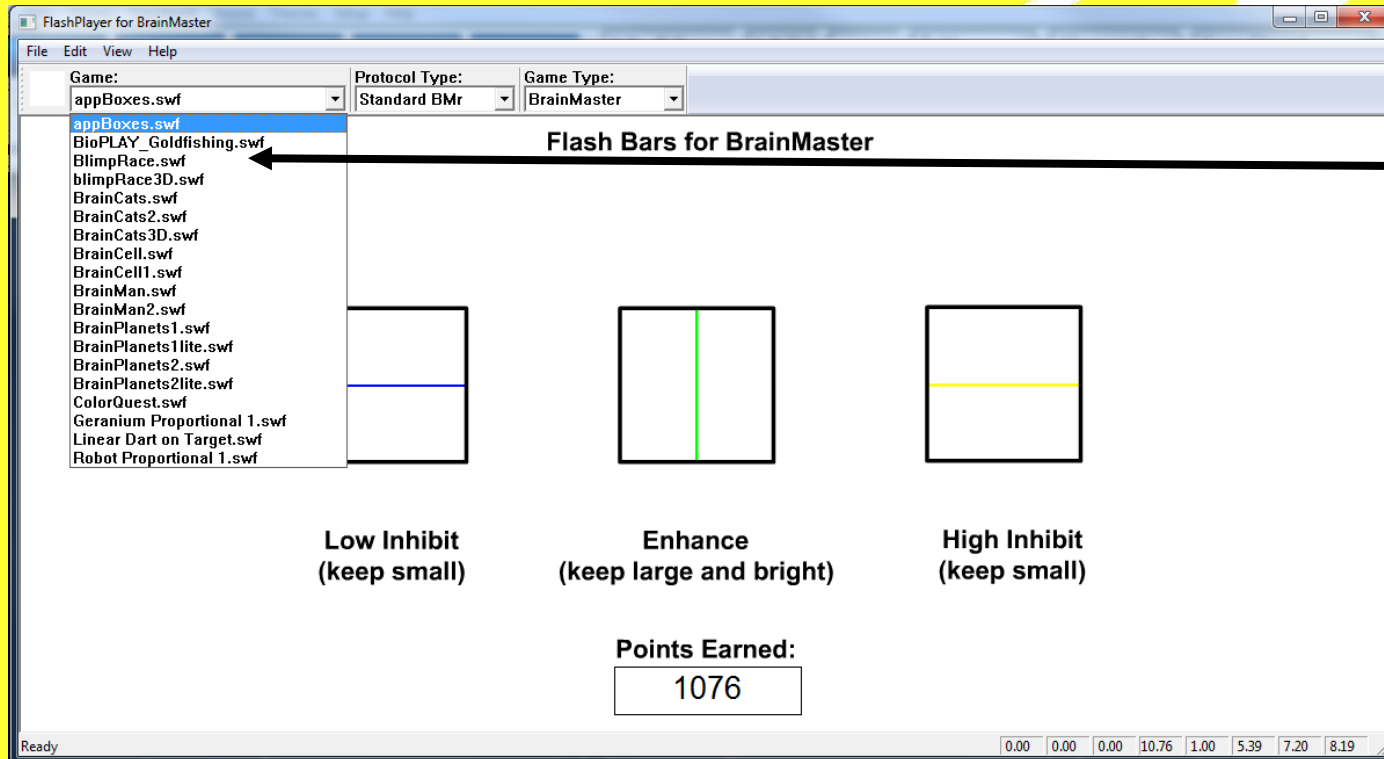
Flash Player for Games



Click "Flash Player"

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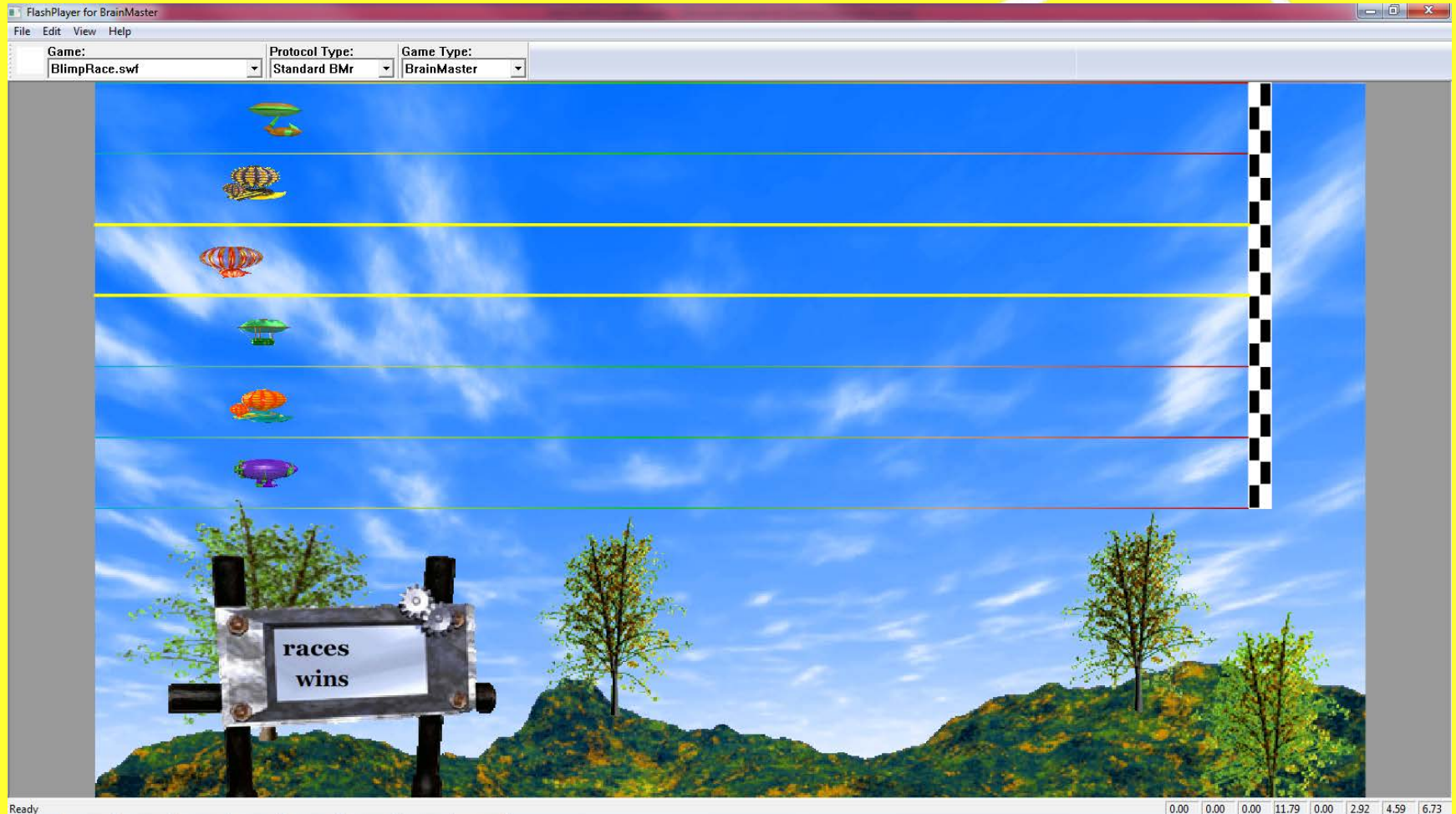
Flash Player for Games



Click "Blimp Race"

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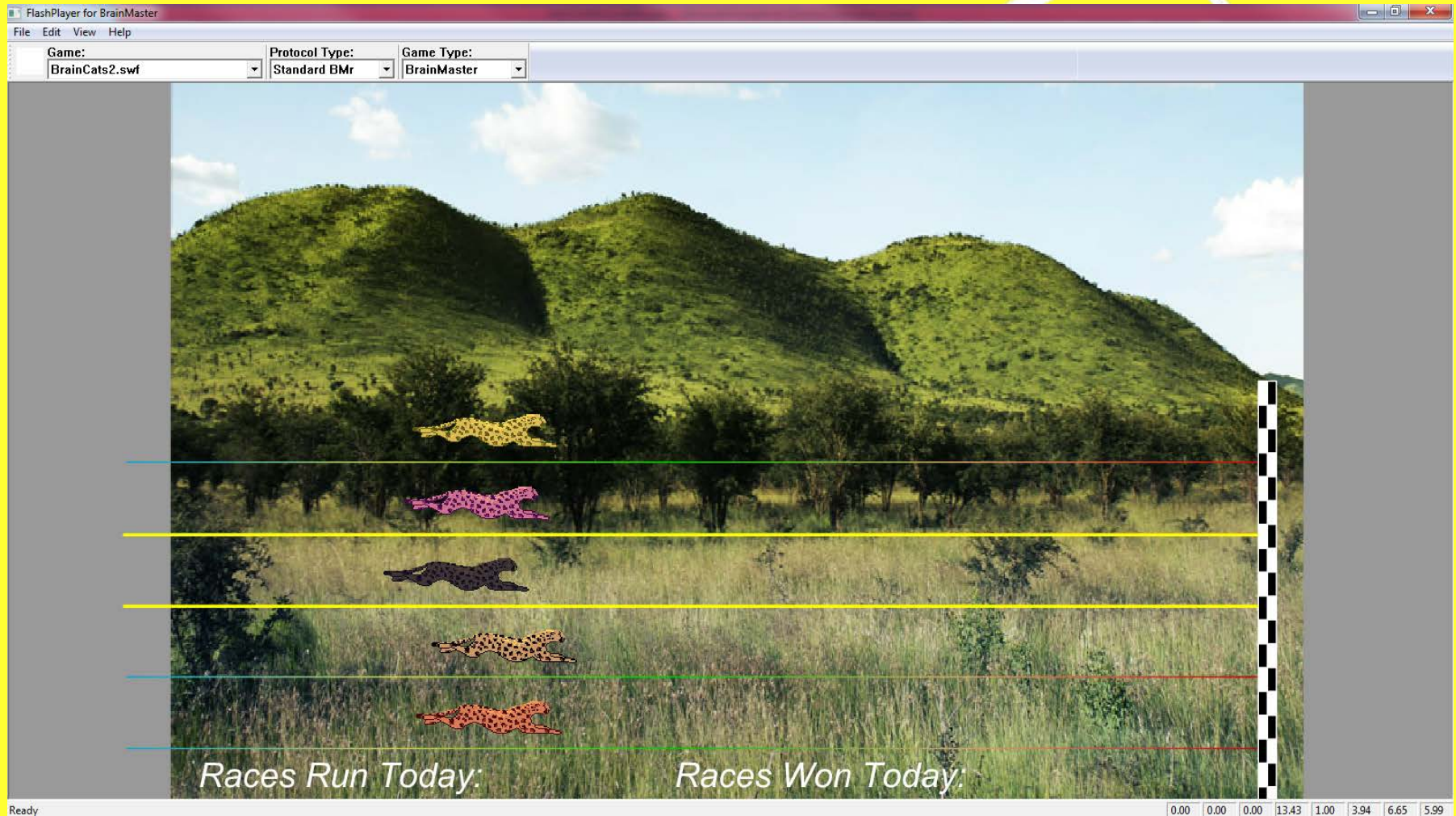
Blimp Race



The blimp advances and the lane flashes yellow each time all three criteria are met.

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Brain Cats 2

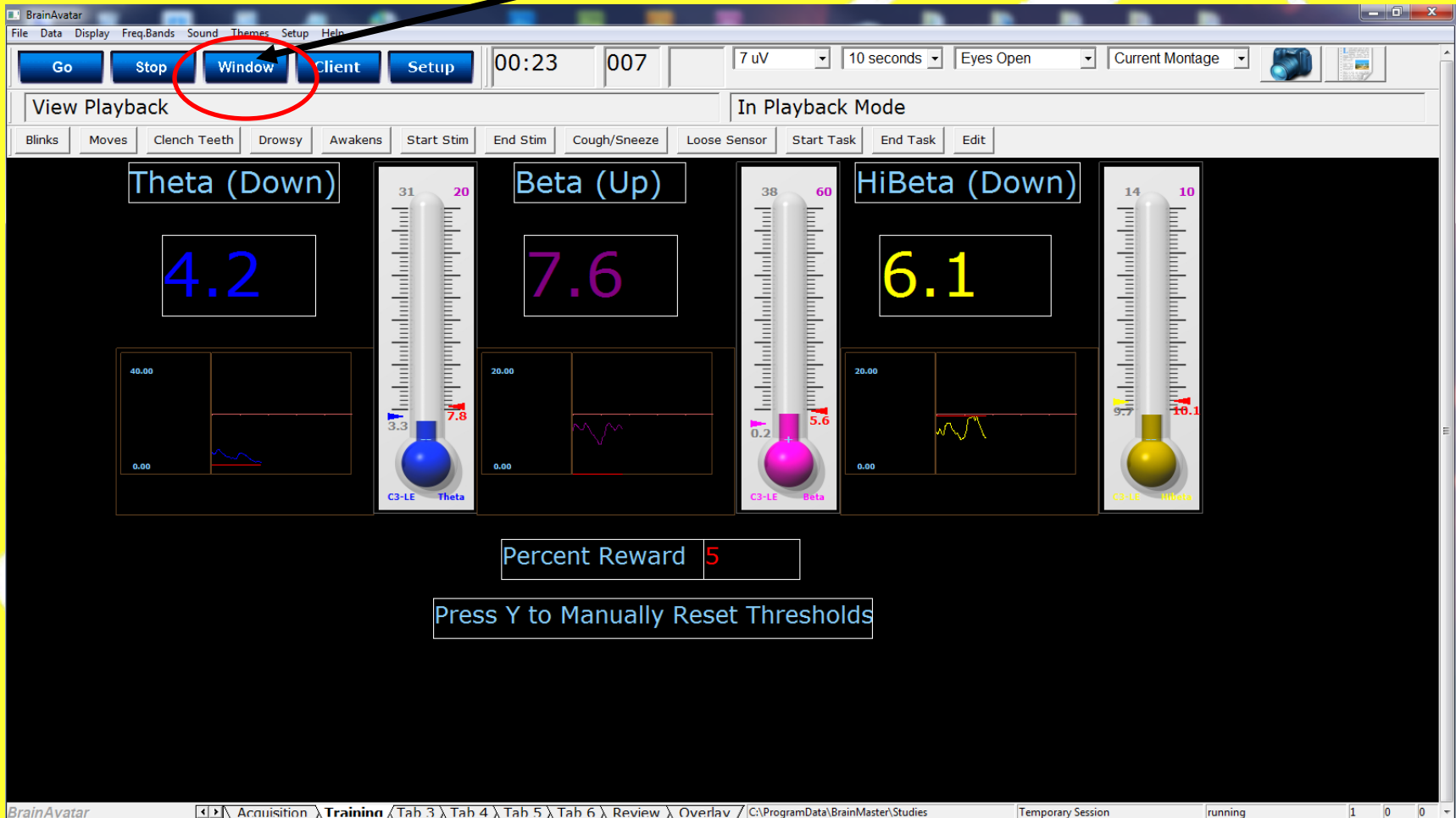


The Cat advances and the lane flashes yellow each time all three criteria are met.

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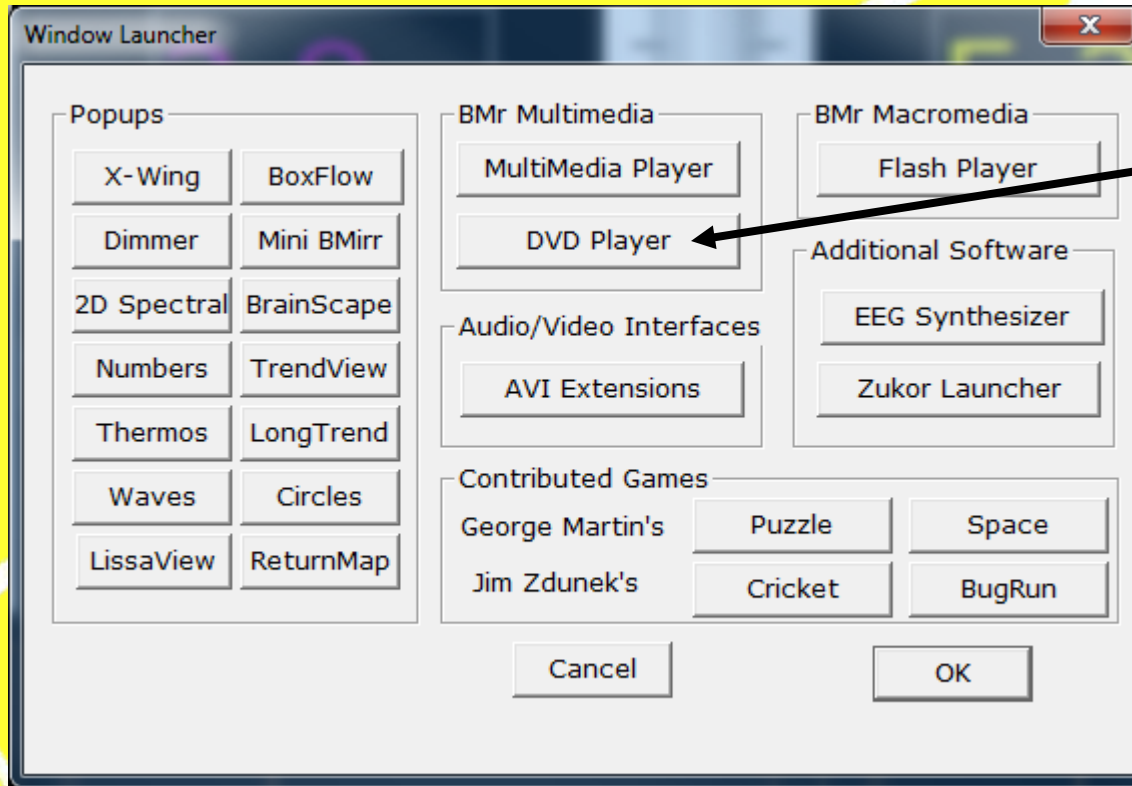
DVD's

Click "Window"



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DVD's



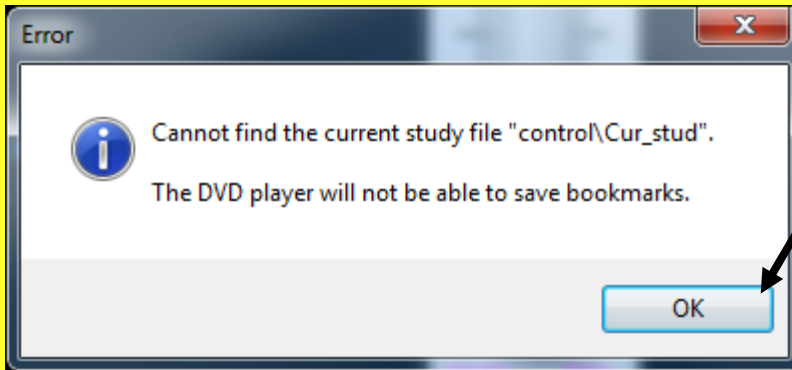
Place a DVD in the DVD Player

When the default DVD Player engages "CLOSE IT"

Click "DVD Player"

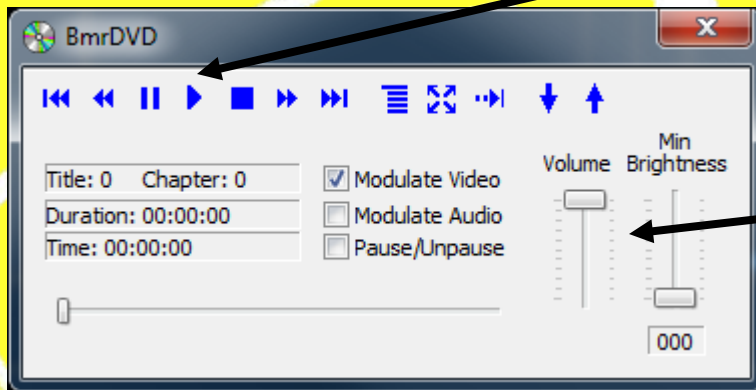
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DVD's



If this error message pops up simply click OK

Next this typical DVD control box will appear. Click the play button to start the DVD

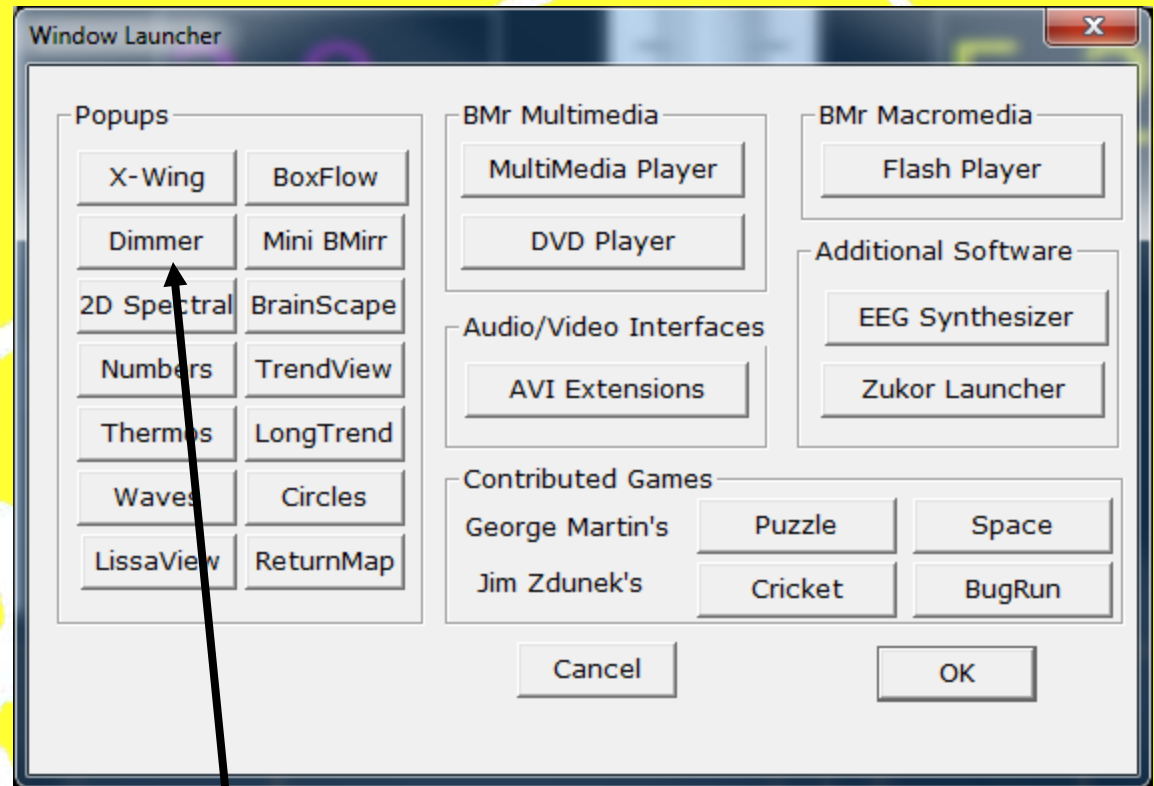


The DVD will brighten and get louder when criteria are met. Adjust the volume and brightness with the sliders.

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The Dimmer

The Dimmer is a device which may be used with any DVD, Media Player, internet app or YouTube to provide feedback to the client from any BrainAvatar Setting.



Before selecting Dimmer choose an media source

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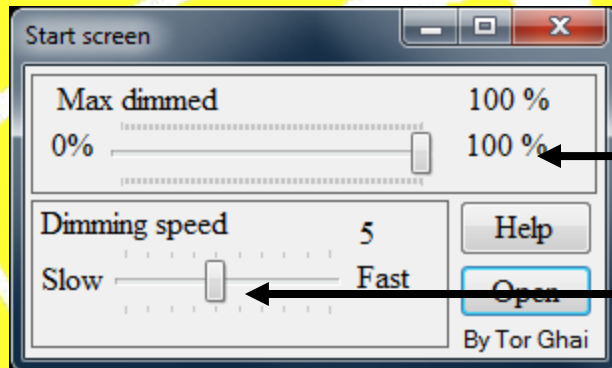
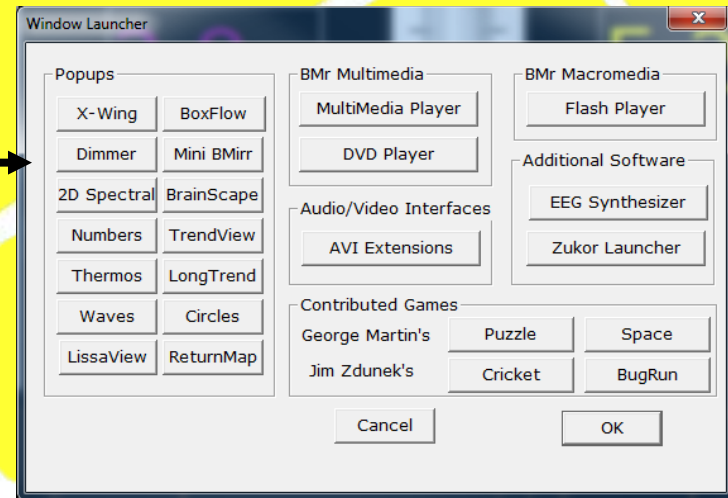
Choose a media source – in this case “YouTube”



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The Dimmer

Select Dimmer



The Start Screen Window Opens

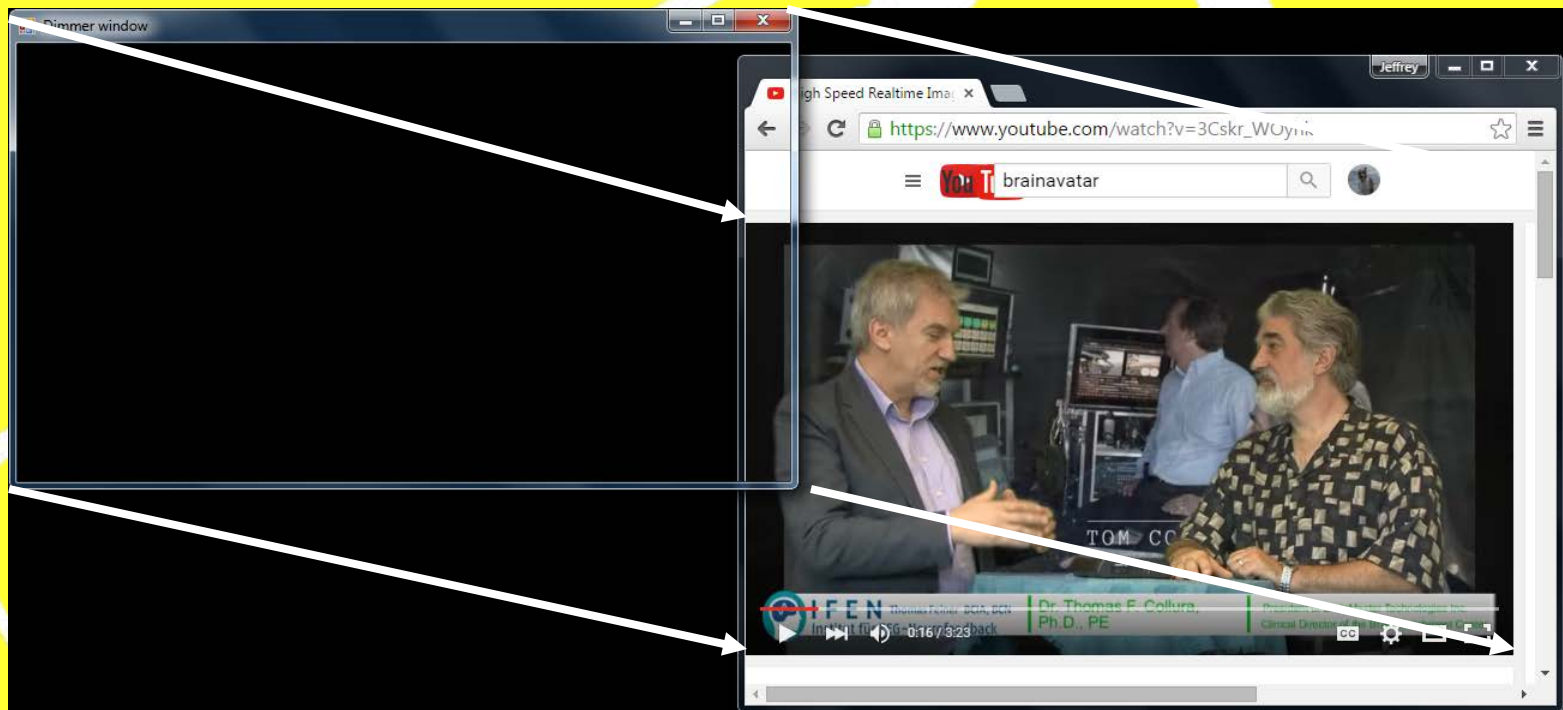
Maxed dimmed sets whether the media disappears or simply dims

Dimming speed sets how quickly the screen disappears

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The Dimmer

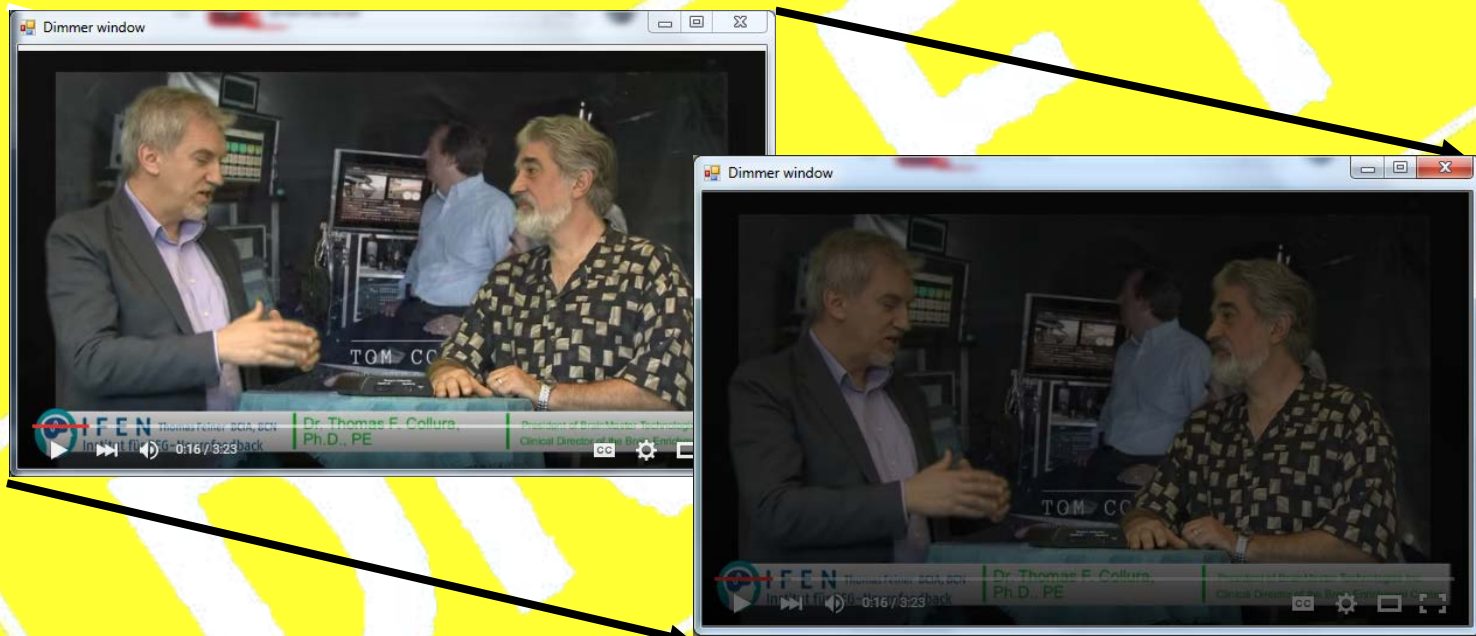
The Dimmer Window will open which then should be sized over the media that is presented to the client.



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The Dimmer

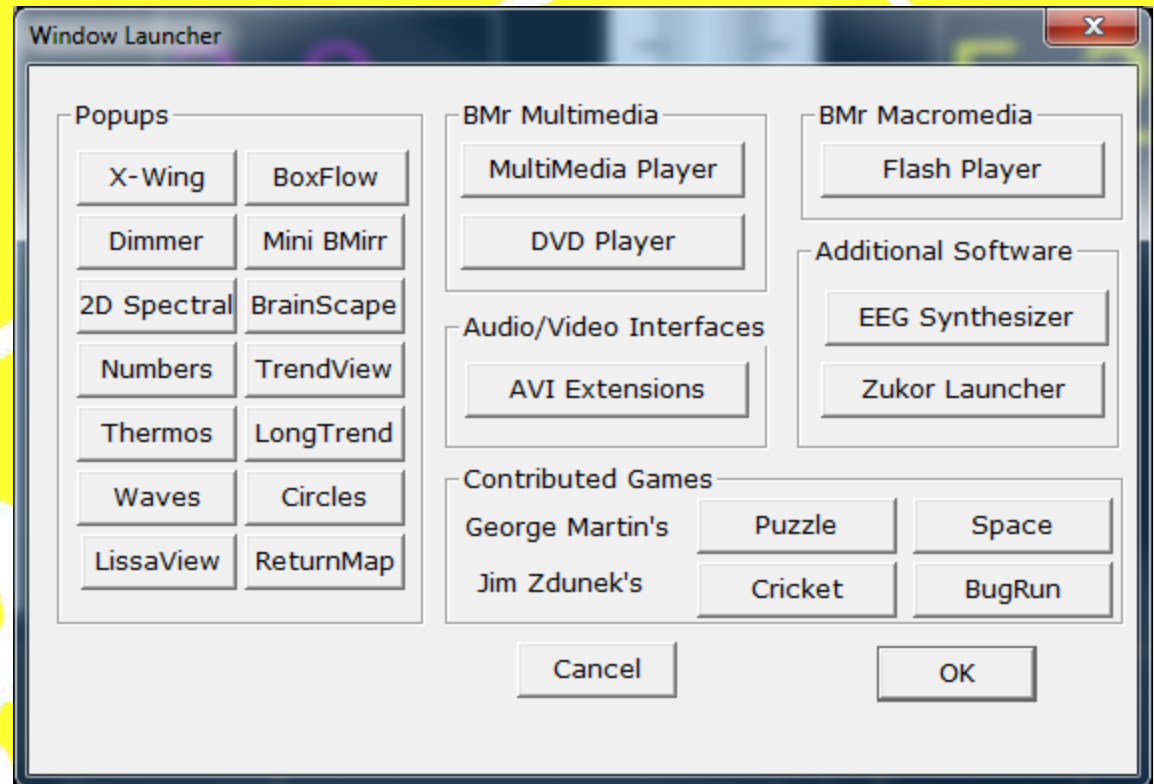
YouTube is illuminated when criteria are met and dims when they aren't



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Other Media

As you can see there are a myriad of media choices available so please feel free to try all of these to your client's content. For a more engaging experience contact BrainMaster Sales and inquire about the Zukor Games. If you have already purchased one or more of the Zukor Games their use will be covered in a future Level 2 and beyond.



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