## **BCI Stimulus Presentation Instructions**

1. Headset is in Locker 98. Use Saline solution on each electrode. Make sure you plug in the USB receiver.



 Launch Emotiv Control Panel at Start -> All Programs -> Engineering -> Emotiv Education Edition SDK v1.0.0.4-PREMIUM\_Bryan316 -> Control Panel -> Control Panel or browse to "C:\Program Files (x86)\Emotiv Education Edition SDK\_v1.0.0.4-PREMIUM\EmotivControlPanel.exe"



3. Check if head set is connected. All green is good.



4. Browse to C:\BCI2000\batch and double-click on IpsiHand\_StimPresentation.bat

BCI2000/Operator 3.0.4	×
File View Help	
Function 1 Function 2 Function 3 Function 4	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Quit
Initialization Phase Waiting for configuration Waiting for configuration Waiting for	or configuration

5. Click on Config

Visualize       System       Source       Storage       Filtering       Connector       Application         Data Location       path to top level data directory      \data        Load Parameters       Load Parameters         Session       subject allas          Configure Save         SubjectName       Name          Configure Load         SubjectSession       001          Help         Documentation       BCI2000 System Code             ID_Amp       BCI2000 Cap Montage Code          Close	Parameter Configuration			? 🗾
Data Location       path to top level data directory         DataDirectory      \data         Session       subject alias         SubjectName       Name         SubjectSession       001         three-digit session number       1         SubjectRun       001         Documentation       BC12000 System Code         ID_Amp       BC12000 Amp Code         ID_Montage       1         time of beginning of data storage       1         StorageTime       Close	Visualize System So	urce Storage Filtering Connector	Application	
path to top level data directory      data         DataDirectory      data         Session       subject alias         SubjectName       Name         SubjectSession       001         two-digit run number      data         SubjectRun       00         Documentation       BCI2000 System Code         ID_Amp      data         BCI2000 Cap Montage Code      data         ID_Montage      data         StorageTime       Close	Data Location			<ul> <li>Save Parameters .</li> </ul>
DataDirectory      \data         Session       subject alias         SubjectName       Name         three-digit session number         SubjectSession       001         two-digit run number         SubjectRun       00         Documentation       BC12000 System Code         ID_System       1         BC12000 Amp Code       1         ID_Hontage       1         time of beginning of data storage       1         StorageTime       Close		path to top level data directory		Load Parameters .
Session       subject alias         SubjectName       Name         SubjectSession       001         two-digit run number       1         SubjectRun       00         Documentation       BC12000 System Code         ID_System       1         BC12000 Amp Code         ID_Amp         BC12000 Cap Montage Code         time of beginning of data storage         StorageTime	DataDirectory	\data		
subject alias         SubjectName         Name         three-digit session number         SubjectSession         001         two-digit run number         SubjectRun         00         1         Documentation         BCI2000 System Code         ID_System         BCI2000 Amp Code         ID_Amp         BCI2000 Cap Montage Code         time of beginning of data storage         StorageTime	Session			Configure Save
SubjectName       Name       Configure Load         three-digit session number       001       1       1       1         SubjectSession       001       1	a 1	subject alias		
SubjectSession       001       I	SubjectName	Name		Configure Load
SubjectSession       001         two-digit run number         SubjectRun       00         Documentation       1         BC12000 System Code         ID_System         BC12000 Amp Code         ID_Amp         BC12000 Cap Montage Code         ID_Montage         time of beginning of data storage         StorageTime		three-digit session number		
SubjectRun       two-digit run number         00       1         Documentation       BC12000 System Code         ID_System       0         BC12000 Amp Code       1         ID_Amp       BC12000 Cap Montage Code         ID_Montage       1         time of beginning of data storage       1         StorageTime       Close	SubjectSession	001	0	
SubjectRun       00         Documentation       BCI2000 System Code         ID_System       I         BCI2000 Amp Code         ID_Amp         BCI2000 Cap Montage Code         ID_Montage         StorageTime		the transmission	I I Ĭ	Help
Subject Kin       00         Documentation       BCI2000 System Code         ID_System       0         BCI2000 Amp Code       0         ID_Amp       0         BCI2000 Cap Montage Code       0         ID_Montage       0         StorageTime       0	FubioctDup	two-aigit run number		=
Documentation       BCI2000 System Code         ID_System       ID_System         BCI2000 Amp Code       ID_Amp         BCI2000 Cap Montage Code       ID_Montage         ID_Montage       Imme of beginning of data storage         StorageTime       Imme of beginning of data storage	Subjectkun	00	, , , ,	
ID_System ID_Amp BCI2000 Amp Code ID_Amp BCI2000 Cap Montage Code ID_Montage ID_Montage Close Close	Documentation	PCI 2000 Sustan Code		
ID_Amp       BCI2000 Amp Code         ID_Amp       BCI2000 Cap Montage Code         ID_Montage       i         ime of beginning of data storage         StorageTime	ID System	DC12000 System Code		
BCI2000 Amp Code	ID_System		1 I I	
ID_Amp BCI2000 Cap Montage Code ID_Montage time of beginning of data storage Close		BCI2000 Amp Code		
ID_Montage       BCI2000 Cap Montage Code         ime of beginning of data storage         StorageTime	ID_Amp			
ID_Montage		BCI2000 Cap Montage Code		
time of beginning of data storage	ID Montage	Callob cup Homage code		
StorageTime			1 1 1	
StorageTime  Close		time of beginning of data storage		
	StorageTime			▼ Close

6. Click Load Parameters ...

Open Parameter File	Anna I		-	-		-			X
CO V 📕 « Loca	l Disk (C:)	BCI2000	▶ parms ▶		• <sup>4</sup> 7	Search pai	rms	_	٩
Organize 🔻 New	folder								?
<ul> <li>★ Favorites</li> <li>■ Desktop</li> <li>▶ Downloads</li> <li>▶ Recent Places</li> <li>■ Desktop</li> <li>⇒ Libraries</li> <li>■ Documents</li> <li>♦ Music</li> <li>■ Pictures</li> <li>♥ Videos</li> <li>▶ Edward J Richter</li> </ul>	r				Name	es nts orial _stimpresent	ation.prm		
Control Panel				Ŧ	•	I			Þ
F	ile <u>n</u> ame: [	SE297_stim	presentation	n.prn	n 🔻	BCI2000 par Open	rameter file	(*.prm) Cancel	• 

7. Select ESE297\_stimpresentation.prm and click **Open** and then click **Close**.

BCI2000/Operator 3.0.4	
File View Help	
Function 1 Function 2 Function 3 Function 4	Quit
Initialization Phase Waiting for configuration Waiting for configuration Waiting for configuration Waiting for configuration	ing for configuration

8. Click Set Config.



- 9. Rearrange the windows so you can see the gray window and click **Start** when you are ready.
- 10. Clench right or left hand when the appropriate arrow appears and clear your mind when it says Pause No Sleeping or Blinking. When the grey screen appears you can relax for 3.5 seconds.



- 11. Screen will say **Time Out** after 15 minutes. Click on **Quit** to close the program.
- 12. The data is automatically save to C:\temp\ESE297001. The file format is ESE297S001R<##>.dat where ## is the latest data which should be yours. Copy this file to your home directory for later Offline Analysis.
- 13. Please put everything NEATLY back in the box and back into the locker.