## ANI Z-Score DLL for BrainMaster Software Activating for the BrainMaster 3.0 or Discovery Software

# PLEASE NOTE: ANI Z-Score DLL can only be activated on 2 Computer Systems. Please be sure before activating, that you are doing this on the system that you want this to be on

1. From the Setup/Home Screen, click the Folder Selections Button

Setup/Home :	creen - Brainmaster 5.7	
Welcome to	BrainMaster 🧧 🎑 👲	LOGIN OK: SN: 30342 EXP DATE: 12/31/2010
Current Trai	nee/Study Folder:	CLINICAL LICENSE
Trainee ID:	Mini-Q2 - 2Chan Assesment 9 Positions	Login
Trainee Name:	Mini-Q2 - 2Chan Assesment 9 Positions	Folder Selections
Comment:	Mini-Q2 - 2Chan Assesment 9 Positions	
Next Sessio	n Number: Total Sessions Available:	Run The Next Session
	2 40	
Training :	creen is currently: Not Running	View or Change Settings
Exit	Product Manuals	Review Session Results

2. From the Select Trainee/Study Folder Menu, click the Create New Folder Button

Select Folder: [you may double-click to select]	elect Trainee/Study Folder		
[-]       10 2025166E0]         [Alpha1]       [Alpha2]         [alpha2]       [Alpha2]         [Baintroot]       [Besview]         [BeviewTest]       [ChipTest]         [ChipTest]       [Alpha2]         [Janiel S F3 F4 P3 P4 zscore]       OK         [Ibiloa] Z - 2Chan Assesment 9 Positions       Sessions Used:         [Ibiloa] Z - 2Chan Assesment 9 Positions       Max Sessions:         Comment:       40         Min-Q2 - 2Chan Assesment 9 Positions       Edit         Comment:       40         Session Genie       Push to Server and Delete Folder	Select Folder: (you may double-click to select)		
Idj Daniel S F3 F4 P3 P4 zscore]     OK       File Name [Traince ID]: Mini-Q2 - 2Chan Assesment 9 Positions\ Trainee Name: Mini-Q2 - 2Chan Assesment 9 Positions Comment: Mini-Q2 - 2Chan Assesment 9 Positions     Max Sessions Used: Max Sessions: 40       Session Genie     Edit Comment       Session Genie     Push to Server and Delete Folder	[] [01021516E0] [Alpha1] [Alpha2] [alpha4] [Alpha2] [Alpha4] [Alpha4] [AMPplusCOH] [AktinsonTest] [blah] [Bheview] [BReview] [BReview] [BReview] [ChipTest]	, III	Create New Folder Folder Notes Session Librarian
File Name [Trainee ID]: Sessions Used: Min-Q2 - 2Chan Assesment 9 Positions\ 1 Inin-Q2 - 2Chan Assesment 9 Positions Max Sessions: Comment: 40 Session Genie Administer Session Genie Push to Server and Delete Folder	[d] [Daniel S F3 F4 P3 P4 zscore]	-	OK
Mini-Q2 - 2Chan Assessment 9 Positions\     1       Trainee Name:     1       Mini-Q2 - 2Chan Assessment 9 Positions     Max Sessions:       Comment:     40       Mini-Q2 - 2Chan Assessment 9 Positions     Edit       Session Genie     40       Administer Session Genie     Push to Server and Delete Folder	File Name (Trainee ID):		Constant United
Trainee Name: Min-Q2 - 2Chan Assesment 9 Positions Comment: Min-Q2 - 2Chan Assesment 9 Positions Min-Q2 - 2Chan Assesment 9 Positions Session Genie Administer Session Genie Push to Server and Delete Folder	Mini-Q2 - 2Chan Assesment 9 Positions\		acssions oseu.
Min-G2 - 2Chan Assesment 9 Positions Max Sessions: Comment: Min-G2 - 2Chan Assesment 9 Positions Edit Comment Session Genie Administer Session Genie Push to Server and Delete Folder	Trainee Name:		
Comment: Mini-Q2 - 2Chan Assessment 9 Positions Session Genie Administer Session Genie Push to Server and Delete Folder	Mini-Q2 - 2Chan Assesment 9 Positions		Max Sessions:
Session Genie Administer Session Genie Push to Server and Delete Folder	Comment: Mini-Q2 - 2Chan Assesment 9 Positions	Edit Comment	40
Administer Session Genie Push to Server and Delete Folder	Session Genie		
	Administer Session Genie	Push to Server	and Delete Folder

#### ANI Z-Score DLL for BrainMaster Software

 Create a folder named ZscoreInstall, that contains a Z-Score protocol. After the folder is created, click View or Change Settings Button. On the Setup Options Menu, click the Session Control Button. On the Session Control Menu, make sure that the Session Type is set to Simulation. Once this is complete, click OK on the Session Control Menu, USE THESE SETTINGS on the Setup Options Menu, and click the Run The Next Session Button



NOTE: Please enter all times as w	hole seconds (1, 2, 3, etc)
Baseline Length (pre and post)	Run Length:
O Seconds (before and after Runs)	60 Seconds
(Length of 0 means "no baselines")	(0 means run indefinitely)
Number of Sessions:	Number of Runs (Trials)
40 sessions (80 maximum)	9 Runs
(0 allows repeated use of Test Session 1)	(Must have at least one Run)
Session Type:	Pause Between Runs?
C Assessment C Training	
	Session Wizard

4. Click GO on the Training/Control Screen, and confirm the following screens



When the following screen appears, click I accept the license agreement option, and click OK to continue





6. When the following screen appears, click the Create Key A File Button. This will create a text document

🕼 4 Channel ANI Biofeedback Security Key
Security Key A
5UH4 8YLU ZAW9 7FGW M2TS RHPW
5UH48YLUZAW97FGWM2TSRHPW
Security Key B
Conto Koy A Filo
QK <u>C</u> ancel

 Save the document to the folder that was created named BrainMasterInstalls. E-Mail the document to <u>qeeg@appliedneuroscience.com</u>. Once the Key-B is created, it will be E-Mailed to you. In order to put the Key-B into the system, you will need to run another session with the folder created to receive our Key-A

## Upgrading from 4 to 19channel Z-Score training for Discovery

PLEASE NOTE: In order for the upgrading process to be successful, you will need to assure that you are running the latest Discovery software. You will also need to assure that you have received your key from BrainMaster Technologies that is enabled for 19Channel Z-Score training.

1. Choose ZscoreInstall from the Folder Selection Menu



- Press View or Change Settings. In the Setup Options Menu, choose Data Channels. In the Data Channels Menu, click Discovery Acquisition Control. In the Discovery Acquistion Menu, set Training Method from 4 to 19 channels. After you have done this, choose more than 4 channels to be LZT Trained. Click OK/USE THESE SETTINGS until you have returned to the Setup/Home Screen
- Click Run the Next Session, then click GO. Confirm through the following screens, and you will receive a pop-up stating "Invalid passkey for number of channels selected. Click OK, and The ANI License agreement will pop-up. Click I Accept, and click OK to continue

Discovery Channel Acquisition Selection Control Panel	
Select Channels to Acquire           F01         F02           F7         F3           F3         F2           F4         F8           Destinct All           T3         G3           G1         G2           61         G3           G2         62           23A         25R           23A         25R           600         24R           600         64R	Acaded         L2T hand           C14 de C14 de C
	Total Total Selected: 20 Z-Scores: 5700
· · · · · · · · · · · · · · · · · · ·	Z-Plus Processing (PZMO, PZME)
	Training Method Use selections above to select sites
Cancel Standard Settings Add Trained OK	Use 19 Chan Z-Score Settings Now



4. When the following screen appears, click the Create Key A File Button. This will create a text document

🕼 4 Channel ANI Biofeedback Security Key	×
Security Key A	
5UH4 8YLU ZAW9 7FGW M2TS R	нры
5UH48YLUZAW97FGWM2TSRHPW	_
Sama Ka D	
	_
Create Key A File	
giode Rey Arrie	
<u>Q</u> K <u>Cancel</u>	

5. Save the document to the folder that was created named BrainMasterInstalls. E-Mail the document to <u>qeeg@appliedneuroscience.com</u>. Once the Key-B is created, it will be E-Mailed to you. In order to put the Key-B into the system, you will need to run another session with the folder created to receive our Key-A

## **Controls/Displays for a Basic Z-Score Session**



#### Z-Score Using PercentZOK

- 1. Z-ScorePZOK(White Line) This line is the Percent of Z-Scores with-in the defined range
- 2. **Z-Score Threshold(Green Line)** This line is the threshold for the Z-Scores. When the Z-Scores are below the threshold, the system will reward the client with the chosen reward. This is controlled by the "C" key.
- **3.** Percent of Reward(Red Line) This line shows the percent time that the Z-Scores are greater than the Z-Score threshold.
- **4. Z-Score Range Definer(Orange Line)** This line defines the range of Z-Scores that you are looking at. This is controlled by the "U" key.
- 5. Text Stats This gives you a text representation of what is occurring in the graph.
- **6. Z-Scores** This shows a text representation of the Z-Scores. This is a "damped" change, which is not instantaneous. This is a more stable view of the Z-Scores.

🕺 Training/Control Screen - BrainMaster 3.7i	- Ø 🔀
Rata Display Freq.Bands Color Sound	
GO STOP Window Clock 18:04 Points 330 Close	*
EEG CHANNEL 4: P4: เกมฟ้าแปลมาที่ใหม่านการเป็นของประกาณในการเป็นใหม่งหน้าแปลมากการเป็นการเกมที่แปลมากการเป็นการเป็นการเป็นการเป็นไป	тандара Japang 9.8 sec.
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	L 17.00 2 31.46 3
7         Events 1-4:         Events 1-4:         24           Delta [1.0-4.0]         -1.7         -1.3         -0.6         -1.6         -2.1         Delta [1.0-4.0]         -1.7         -1.3         -0.6         -0.6         -1.6         -2.1         Delta [1.0-4.0]         -1.7         -1.0         -0.4         -0.3         -1.5         -2.1	4 2.00 5

#### Z-Score Using PercentZOKUL

- 1. **Z-ScoresPZOKUL(White Line)** This line is the Percent of Z-Scores with-in the defined range.
- Z-Score Threshold(Green Line) This line is the threshold for the Z-Scores. When the Z-Scores are below the threshold, the system will reward the client with the chosen reward. This is controlled by the "C" key.
- **3.** Percent of Reward(Red Line) This line shows the percent time that the Z-Scores are greater than the Z-Score threshold.
- 4. **Z-Score Range Upper Range(Orange Line)** This line defines the upper range of Z-Scores that you are trying to train down. This is controlled by the "U" key.
- 5. **Z-Score Range Lower Range(Yellow Line)** This line defines the lower range of Z-Scores that you are trying to train up. This is controlled by the "G" key.
- 6. Text Stats This gives you a text representation of what is occurring in the graph.
- **7. Z-Scores** This shows a text representation of the Z-Scores. This is a "damped" change, which is not instantaneous. This is a more stable view of the Z-Scores.

### Troubleshooting

-If you are trying to run a session, and your Z-Score values are "-1.\$". Please visit <u>www.brainm.com/kb/entry/424</u> to resolve your issue

-If you are trying to run a session, and you receive an -30 error. Please visit <u>www.brainm.com/entry/443</u> to resolve your issue

-For a list of Live Z-Score DLL error codes. Please visit <u>www.brainm.com/kb/entry/262</u> for this information



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