

The next generation of 3D Brain Imaging and Neurotherapy

Quick Start Guide



BrainMaster Passkey Log

BrainMaster Serial Number
Passkey
Date Purchased
Date Affiliate Expires
BrainMaster Passkey Log
BrainMaster Serial Number
Passkey
Date Purchased
Date Affiliate Expires
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2-SCOLE SLOKETA FZORUL DYNAMIC + 2-SCOLE SLOKETA FZORUL C REY S	2

BrainMaster 3.0 Software or Discovery 1.0 Software with up to 4-Channel LZT*

CPU:	Dual-Core 2.2GHz Processor
Operating System	Windows XP, Windows Vista, Windows 7, Windows 8/8.1, Windows 10
Memory (RAM):	Windows XP - 1GB (Minimum) 2GB (Recommended)
	Windows Vista - 2GB (Minimum) 4GB (Recommended)
	Windows 7 - 2GB (Minimum) 4GB (Recommended)
	Windows 8 - 2GB (Minimum) 4GB (Recommended)
Graphics Card:	512MB Dedicated OR 1GB Shared Graphics
Optical Drives:	DVD-ROM Drive: Required for BMrDVD
Input:	1 USB Port
Additional SW:	Microsoft Office: Required for Certain reports and EEGAudio
	Windows Media Player or 3rd Party DVD Decoder: Required for BMrDVD
	Adobe Acrobat Reader
	Adobe Flash Player: Required for BMrFlash Player
	Adobe Shockwave Player: Required for BMrFlash Player

Discovery 1.0 Software with BMrMMP** and up to 19-Channel LZT*

Quad-core or above (Intel i7 or equivalent preferred)			
:Windows Vista, Windows 7, Windows 8/8.1, Windows 10			
4GB			
Direct x 10 or above compatible graphics card 1GB Dedicated			
DVD-ROM Drive: Required for BMrDVD**			
1 USB Port			
Microsoft Office: Required for certain reports and EEGAudio**			
Windows Media Player or 3rd Party DVD Decoder: Required for BMrDVD**			
Adobe Acrobat Reader			
Adobe Flash Player: Required for BMrFlash Player			
Adobe Shockwave Player: Required for BMrFlash Player			

BrainAvatar[™] 4.0 Software

CPU:	Quad-core or above (Intel i7 or equivalent preferred)
Operating System	n:Windows 8/8.1, Windows 10
Memory (RAM):	4GB
Graphics Card:	Direct x 10 or above compatible graphics card 1GB Dedicated
Optical Drives:	DVD-ROM Drive: Required for BMrDVD**
Input:	1 USB Port
Additional SW:	Microsoft Office: Required for certain reports and EEGAudio**
	Windows Media Player or 3rd Party DVD Decoder: Required for BMrDVD**
	Adobe Acrobat Reader



*Live Z-Score Training is an optional purchase **BMrMMP is an optional purchase

Where to find it

BrainMaster software can be found in two different locations:

1. The BrainMaster Installation Disc* included with your BrainMaster Hardware



2. Online at <u>www.brainm.com/</u>

TECHNOLOGIES	Software Downl	oads	ADDIE US ADDIE US V SIG	ne sogneogNUD K
	Installation Guide Minimum System Requirements Complete list of BrainAvatar® versions and notes on releases. BrainAvatar.com – Information, media, and more.			
	BRAIMAVATAR" SOFTWARE			
	DISCOVERY SOFTWARE		•	
	3.0 SOFTWARE		We're here to h	elpi
	2.5E SOFTWARE		Thanks for stop questions for yo	ping by. Can we answer any

There are two different versions of the software:

- One version that can be installed on 32-Bit versions of the Windows operating system.
- One version that can be installed on 64-Bit versions of the Windows operating system.

*This disc is supplied when initially purchased, and is also available for purchase.

Which version of software should be installed

NameOfSoftwarex32: This software is intended to only be installed on versions of Windows that are 32-Bit



How to tell your version of Windows is 32-Bit: If your version of Windows is 32-Bit, then on the C Drive, you will have a single directory labeled Program Files

PC > Local Disk (C:)		
Name	Date modified	Туре
AMD	5/22/2017 3:40 PM	File folder
BHC652PCL6Winx64_3700EN	5/8/2017 4:07 PM	File folder
hrainm.20	5/11/2017 9:10 AM	File folder
📊 inetpub	5/22/2017 5:15 PM	File folder
MSOCache	5/15/2017 4:15 PM	File folder
New folder	5/19/2017 4:08 PM	File folder
NFplayer	5/9/2017 4:05 PM	File folder
NFviewer	5/9/2017 4:05 PM	File folder
PerfLogs	3/18/2017 5:03 PM	File folder
🔒 Program Files	5/22/2017 5:15 PM	File folder

If an attempt is made to install NameOfSoftwarex32 on a 64-Bit version of windows: You will see the following error message.

🖟 BrainN	laster BrainAvatar Installer Information	×
<u>^</u>	This version of BrainMaster BrainAvatar can only be installed on 32 Bit systems. Please locate or download the proper version for your system.	
	OK	

NameOfSoftwarex64: This software is intended to only be installed on versions of Windows that are 64-Bit



How to tell your version of Windows is 64-Bit: If your version of Windows is 64-Bit, then on the C Drive, you will have two directories. One labeled Program Files and one labeled Program Files (x86).

PC > Local Disk (C:)			
Name	Date modified	Туре	Size
AMD	5/22/2017 3:40 PM	File folder	
BHC652PCL6Winx64_3700EN	5/8/2017 4:07 PM	File folder	
hrainm.20	5/11/2017 9:10 AM	File folder	
📊 inetpub	5/22/2017 5:15 PM	File folder	
MSOCache	5/15/2017 4:15 PM	File folder	
New folder	5/19/2017 4:08 PM	File folder	
- NFplayer	5/9/2017 4:05 PM	File folder	
NFviewer	5/9/2017 4:05 PM	File folder	
PerfLogs	3/18/2017 5:03 PM	File folder	
	5/22/2017 5:15 PM	File folder	
	5/22/2017 5:15 PM	File folder	
ProgramData	5/22/2017 4:33 PM	File folder	
PUZZLE1	5/9/2017 4:05 PM	File folder	

If an attempt is made to install NameOfSoftwarex64 on a 32-Bit version of windows: You will see the following error message.

🖟 BrainN	faster BrainAvatar Installer Information	×
<u> </u>	This version of BrainMaster BrainAvatar can only be installed on 64 Bit systems. Please locate or download the proper version for your system.	
	OK	

Installation Process

1. After beginning the software installation, an extraction screen will appear. No action is needed, but this process will take a few minutes, depending on your computer.



2. When this is completed, the InstallShield Wizard screen will appear. Click "Next" to continue.

🔀 BrainMaster BrainAvatar - In	stallShield Wizard	×
	Welcome to the InstallShield Wizard for BrainMaster BrainAvatar The InstallShield(R) Wizard will allow you to modify, repair, o remove BrainMaster BrainAvatar. To continue, click Next.	r
BrainMasterTechnologies, inc.		
	< Back Next > Cancel	

3. In order to continue through the installation process, the license agreement will need to be accepted. Do this by clicking "I accept the terms in the license agreement," then click "Next" to continue.



4. Please enter your User Name and Organization (Optional`), and click "Next" to continue.

🛃 BrainMaster BrainAvatar - InstallShie	ld Wizard		×
Customer Information Please enter your information.			
User Name:			_
Robert Milicia			
Organization:			_
BrainMaster Technologies, Inc.			
			_
			_
			_
InstallShield			
	< Back	Next >	Cancel

5. When the following screen appears, click Install to continue.

😽 BrainMaster BrainAvatar - InstallShie	ld Wizard		×
Ready to Install the Program The wizard is ready to begin installation			
Click Install to begin the installation.			
If you want to review or change any of exit the wizard.	your installation s	ettings, click Back.	Click Cancel to
nstallShield			
no danon munu	< Back	Install	Cancel

6. The BrainMaster Installation will begin. Before this completes, additional installers will begin to install.

BrainMa: Installing The prog	ster BrainAvatar - InstallShield Wizard - X BrainMaster BrainAvatar rram features you selected are being installed.
17	Please wait while the InstallShield Wizard installs BrainMaster BrainAvatar. This may take several minutes. Status:
InstallShield –	< Back Next > Cancel
-	6

7. A command prompt screen stating that it is installing DScaler 5 will appear. Nothing is needed from you. It will complete on its own, and may take a few minutes depending on your computer.



8. A command prompt screen stating that it is installing the K-Lite Mega Codec pack will appear. Nothing is needed from you. It will complete on its own, and may take a few minutes depending on your computer.

203	C:\Windows\SysWOW64\cmd.exe	-	• ×	
Inst	alling: K-Lite Mega Codec Pack			î
C:\Windows\Sys	WOW64\cmd.exe			
Installing: K-I	Lite Mega Codec Pack			
I				
				v

9. **PLEASE NOTE:** If you are installing any software besides the BrainAvatar Software, please proceed to step 11. A command prompt screen stating that it is installing a Microsoft Redistributable will appear. Nothing is needed from you. It will complete on its own, and may take a few minutes depending on your computer.



10. A command prompt screen stating that it is installing a DirectX Redistributable will appear. Nothing is needed from you. It will complete on its own, and may take a few minutes depending on your computer.

	C:\Windows\SysWOW64\cmd.exe	-	×
	Installing: DirectX Redistributable		^
C:\Windows	\SysWOW64\cmd.exe		
nstalling:	DirectX Redistributable		
			•

11. If you have not installed any prior BrainMaster Software. Or, you have not checked the "Always Trust software from BrainMaster Technologies, Inc." check box in your previous installation, the following Windows Security Window will appear asking if you would like to install the USB Drivers for the BrainMaster Hardware. To avoid seeing an additional screen, click the always trust software from "BrainMaster Technologies, Inc.". Then, click the Install Button.

💷 Win	dows Security	×
Would	d you like to install this device software?	
4	Name: CDM Driver Package - Bus/D2XX Driver Publisher: BrainMaster Technologies, Inc.	
Al Te	ways trust software from "BrainMaster Install Don't Install Chnologies, Inc.".	
Vo Sof	u should only install driver software from publishers you trust. <u>How can I decide which device</u> tware is safe to install?	2

12. If you did not click on the box above, another Windows Security Windows Window will appear asking you would like to install the VCP for the BrainMaster Hardware. Click the Install Button to continue.



13. If you did not click on the box above, another Windows Security Windows Window will appear asking you would like to install the VCP for the BrainMaster Hardware. Click the Install Button to continue.

🖽 Windows Security	×	
Would you like to install this device software?		I
Name: CDM Driver Package - VCP Driver Vublisher: BrainMaster Technologies, Inc.		I
Always trust software from "BrainMaster Install Don't Install Technologies, Inc.".		
Pou should only install driver software from publishers you trust. <u>How can I decide which devic software is safe to install?</u>	e	I

14. A command prompt screen stating that it is installing a Microsoft Form Add-on will appear. Nothing is needed from you. It will complete on its own, and may take a few minutes depending on your computer.

C(WINDOWS)SysWOW64(cmd.exe	- 0	×	1
Installing: Microsoft Forms		^	
C:\WINDOWS\SysWOW64\cmd.exe			
Installing: Microsoft Forms			
		v	

15. A command prompt screen stating that it is installing the National Instruments CVIRTE will appear. Nothing is needed from you. It will complete on its own, and may take a few minutes depending on your computer



16. The CoolSynth MIDI Synthesizer Application will now begin its installation process. Please select the preferred language for this program and click OK to continue.

Installer La	nguage	×
	Please select a language.	
	English	~
	OK Cancel	

17. The Welcome Screen for the CoolSynth software will appear. Click Next to Continue.

h CoolSoft VirtualMIDISynth S	etup	-		×
	Welcome to the CoolSo VirtualMIDISynth Setu	oft p		
	Setup will guide you through the install VirtualMIDISynth.	lation of	CoolSoft	
	It is recommended that you close all of before starting Setup. This will make it relevant system files without having to computer.	her appli possible reboot	cations to update our	
	Click Next to continue.			
	Nex	t >	Cance	el

18. CoolSoft Setup will now look for a list of possible applications that might prevent the installation of the VirtualMIDI Synth.

CoolSoft VirtualMIDISynth Setup — X List of processes locking VirtualMIDISynth driver Right click on list items and try to close them to avoid a reboot at the end of setup. Image: Continue button (will reboot at the end). NOTE: If a processes locking the driver, right click to close them. Image: Continue button (will reboot at the end). Image: Continue button (will reboot at the end).							
Application	Process						
soft Install System v2.46,5-Unicode	< Back Next >	Cancel					

19. The following screen will appear, to let you know the change-log for the MIDI Synth. Click Install to continue.



20. The Installation process will now begin. Once the installation process has completed, click the Next Button to continue.



21. The Post setup Configuration Menu will appear. Uncheck "VirtualMIDISynth needs sound font files to work, open CoolSoft website to download them now", and 'Automatically check for updates". When this is completed, click the Next Button to continue.

👆 CoolSoft VirtualMIDISynth Setup		-		×	
Post setup configuration Optional configuration tasks				馰	
Set CoolSoft VirtualMIDISynth as you VirtualMIDISynth needs soundfont fil them now Open configurator when completed Automatically check for updates	r default MIDI Out d es to work, open Coc	evice JSoft website to	downloa	ł	
Nullsoft Install System v2.46.5-Unicode ——	< Back	Next >	Can	cel	

22. The Configurator will open, and you will need to choose the SoundFont file that was installed with your software. Click the "+" Button to find this.

5 CoolSoft	/irtualMIDISyr	nth Config	urator - 1	.15.0		-		×
Soundfonts	MIDI Mapper	Updates	Options	Shortcuts	Advanced options	3		
Soundfonts	chain							- 11
							-	
								- 1
							0	
							0	
								- 1
								- 11
								- 11
								- 11
NOTE: Use Soundfont le	the checkbox to bad order is top	enable a s to bottom	Soundfont (the lates	t will overwr	ite the first).		_	. 1
Donate	Website				ОК	Cancel	App	ly

23. You will need to navigate to the SoundFont File location. If you installed the BrainAvatar Software, the SoundFont file can be found at C:\Program Files (x86)\BrainMaster\Avatar\ Additional Downloads, and is named WeedsGM3.sf2. If you installed any other Software, the SoundFont file can be found at C:\brainm.20\Additional Downloads, and is still named WeedsGM3.sf2. When you have selected the file click Open to continue.

		🔁 Open		
> Additional Downloads	✓ [™] Search Additional Downloads	← → × ↑ 📙 « Local Disk (C:) >	Program Files (x86) > BrainMaster > Avatar > Additional Downloads ~	Search Additional Down
	• 🔳 🌘	Organize 👻 New folder		111 •
Date modified Type 5/11/2017 9:10 AM File folder 5/10/2017 10:54 AM File folder	Size	Outlook Name Pesskeys DirectX Systeminfo	Date modified Type Size \$/23/2017 1:26 PM File folder Size folder	3
11/5/2015 11:23 AM SF2 File	53,608 KB	OneDrive WeedsG	5/23/2017 1:26 PM File folder M3.d2 11/5/2015 12:23 PM SF2 File	53,608 KB
		Ins Pc Desktop Coursents		
		Downloads Music		
		Videos		
		Social Disk (Ci)		
	✓ Soundfont files (*.sf2;*.sf2) ✓	File name:		 Soundfont files (*.sf2;*.s
	Additional Boundards Date-modified Type Sr102071910.54A4 Feb todar Sr1020711055A44 Feb todar 1155020151123.24A4 951742	Additional Downloads	Additional Downloads > Additional Downloads > > Date modeled > > Date modeled > > Date modeled > > Store > > Source the ("store" store") >	Additional Downloads

24. After the SoundFont has been selected, it will be available for use in the Configurator. On the Configurator Page, click Apply, then click OK.

Soundfonts	MIDI Mapper	Updates	Options	Shortcuts	Advanced options			
Soundfonts	chain							
C: Pro	ogram Files (x86	5)\βrainMas	ter\Avata	r (Additional I	Downloads\WeedsG	M3.sf2		
							_	
								- 1
							0	•
							0	
NOTE UN								
NUTE: Use Soundfont I	oad order is top	o to bottom	(the lates	t will overwr	ite the first).			
Journaroner								

25. The CoolSoft VirtualMIDISynth is now Setup and configured. Click Finish to continue.



26. A command prompt screen stating that it is installing the will appear. Nothing will be required until it is completed, in which you will have to click Finish when prompted. After clicking finish. Two additional command prompt screens will appear to install the additional games. Nothing is needed from you. It will complete on its own, and may take a few minutes depending on your computer



27. The following screen will appear to confirm that the selected BrainMaster Software has been successfully installed. Click Finish to Continue.



The BrainMaster Software is now installed on your PC. You will be able to see that this is successful by the shortcut newly created on the Desktop. At this time, it is recommended to restart your PC.



Example of Desktop installed with BrainAvatar Series Software



Example of Desktop installed with 2.5 or 3.0 Series Software



Example of Desktop installed with Discovery Series Software

Hardware Setup

1. Plug the supplied USB Cable into the back of the BrainMaster Device.



2. Plug the other end of the USB Cable into an open USB Port on the PC. **PLEASE NOTE:** For optimal USB Power Supply, it is recommended to use Back USB Ports of a Computer. If being used with a USB Hub. This Hub, needs to be an AC-Powered USB Hub.



Software Setup - Passkey and COM

1. Open the Proper Software for your purchase, by double-clicking the icon on your desktop, if not already open.



2. After the software opens, click the Login Button, or Login Tab, in order to login to the software for use.

🔯 Setup/Home Screen - BrainMaster 3.7i	- 🗆 🗙	El Buiniveter Schop Main Login Folder Settings EDF Browner Review Global Settings	×	Setup/Home Screen - BrainMaster Discovery 1.6.0	- 🗆 🗙
Welcome to BrainMaster 🛛 🙆 🛄 👾 🞑 🎑	LOGIN OK: SN: 31249 UNLIMITED USE CLINICAL LICENSE	Welcome to BrainNatter BrainNatter LOGID de: Ski (017) -Current Traines (trialy risklar: CLIMOR, UCINNE Traines (CLIMOR, UCINNE) Exage		Welcome to BrainMaster Discovery	LOGIN OK: SN: 60267 UNLIMITED USE CLINICAL LICENSE
Trainee ID: tesc081551eo\	Login	Comment: no comment supplied Run The Next Session Next Session Number: Yotal Sessions available: View or change Sottings		Traince ID: Demo ANI\	Login
Trainee tesc081551eo Name:	Folder Selections	3 80 Training screen is Not Running EDF Browser Exit Product Manuals Review Session Results		Trainee Demo ANI Name:	Folder Selections
Comment: Mini-Q2 - 2Chan Assesment 9 Positions				Comment: ANI	Run The Next Session
Next Session Number: Total Sessions Available: 2 40				Next Session Number: Total Sessions Available: 1 80	View or Change Settings
Training screen is currently: Not Running	View or Change Settings			Training screen is currently: Not Running	EDF Browser
Exit Product Manuals	Review Session Results	Logged in, device type Discovery	Use Sattings and Close Use These Sattings	Exit Product Manuals screen	Review Session Results

 Fill out the serial number of your device in the Serial Number field, and enter the passkey that you received from BrainMaster Technologies into the Passkey field. After entered, click to the OK Button to continue PLEASE NOTE: If you have not received a passkey, please contact BrainMaster Technologies Technical Support.



4. Set the COM Port in the software to match the COM Port that your BrainMaster Device has been assigned by Windows



You are now ready to utilize the BrainMaster Software.

Software Setup - Training/Assessment Setup

1. Open the Proper Software for your purchase, by double-clicking the icon on your desktop, if not already open.



2. After the software opens, click the Folder Selection Button, or Folder Tab, in order to login to the software for use

🔯 Setup/Home Screen - BrainMaster 3.7i	- 🗆 X	IE: Brainleater Strap Main Login Folder Settings EDF Browser Review Gi	dual Settings	×	E Setup/Home Screen - BrainMaster Discovery 1.6.0	– 🗆 X
Welcome to BrainMaster 🛛 🔲 👳 🞑	LOGIN OK: SN: 31249 UNLIMITED USE	Welcome to BrainMaster BrainAvatar Carrent Trainee/Study Folder: Trainee ID: Calibration Testing	LOGIN OK: SN: 60179 UNLIMITED USE CLINECAL LICENSE Login		Welcome to BrainMaster Discovery	LOGIN OK: SN: 60267 UNLIMITED USE
Current Trainee/Study Folder:	CLINICAL LICENSE	Trainee Calibration Testing	Folder Selections		Current Trainee/Study Folder:	CLINICAL LICENSE
Trainee ID: tesc081551eo\	Login	Commert: no commert supplied	Run The Next Session		Trainee ID: Demo ANI\	Login
Trainee tesc081551eo Name:		3 80 Training screen is Not flurning	EDF Browser		Traince Demo ANI Name:	Folder Selections
Comment: Mini-Q2 - 2Chan Assesment 9 Positions	Folder Selections	Evit Product Manuals	Review Session Results		Comment: ANI	Run The Next Session
Next Session Number: Total Sessions Available:	Run The Next Session				Next Session Number: Total Sessions Available:	View or Change Settings
2 40					1 80	,
Training screen is currently: Not Running	View or Change Settings				Training screen is currently: Not Running	EDF Browser
Exit Product Manuals	Review Session Results	Logged in, device type Discovery		Use Settings and Close Use These Settings	Exit Product Manuals screen	Review Session Results

3. Click Create New Folder

		Withold and the	<u> </u>		
Select Trainee/Study Folder	×	a environmente la sette	^	Select Trainee/Study Folder	×
		Main Login Folder Seconds Lor provider New W Wood Seconds			
Select Folder: (you may double-click to select)		Senectional (Create Funder Proder Noves Session Lenarum Ear Proder Intel.		Select Folder: (you may double-click to select)	
· · · · · · · · · · · · · · · · · · ·		Select Folder: (Jou may double-cloc to select)			
LU		Budy Name Birth Date Sess Max Comment Technician Physician	Trainee Name Created Modified	L.	
[Alpha1]		Abby P. 1 Ch Swingle theta 2007-1-1 10 40 no comment su Bild tech	Abby P. 1 Ch Swingle theta 2017-6-19 2017-6-19	[Alnha1]	Create New Folder
[Alpha2]	Create New Folder	BreviewCompleteTesting 2001-1-1 1 Xin - Heart-Min EEO tech	ElicenewCompleteTesting 2017-6-9 2017-6-9 EnvironTaks2 2017-6-9 2017-6-9	[Å]pha2]	
[elpho4]		BReviewTesting 2016-1-1 2 40 19th Z-Score P EEG tech	BReviewTesting 2017-6-9 2017-6-9	[siphus]	
lainnaal		Clashe F3 F4 01 02 May 2 1960-8-25 2 40 4th 2-Score P2 BBG tech	Cashe F3 F4 01 02 May 2 2017-6-9 2017-6-9	Taihuaai	Eolder Notes
[aswnu/259/co]	1.1.1	ExportTest 1992-10-7 1 40 4th 2-Score #2 EEG tech	ExportTest 2017-6-21 2017-6-21	Inmitted	I diaci notes
[Bmirror]	Folder Notes	Neuro Sobastian 1995-1-31 9 40 Alert - Bota Up Victor Ojoda	Sebartian M 2017-6-20 2017-6-20	[Demo ANI]	
[Demo1]		Reviewewsessoriesuitst 1980-12-7 1 40 no comment su 8MT Riley 8. 2 Ch. Alpha whibit a 1998-1-1 1 40 Alert - Beta Up EEG tech	NewKever/SessonKeutst 2017-6-9 2017-6-9 Rilev B. 2 Ch. Abha inhibit a 2017-6-19 2017-6-19	[Demo1]	
[Demo2]		Self Training - 340517	2017-6-9 2017-6-6	[Demo2]	Session Librarian
[demo4]		Temporary Session 2001-1-1 22 60 no comment su EEG tech	2017-6-9 2017-6-30	[demo4]	
[DemoWide]				[DemoWide]	
İmisn101340eol	Session Librarian			Swingle Assessment	
Self Training - JH05171		() e		Test	Edit Folder Info.
Itesc081551eol		Study Name (Trainee ID): Trainee Name:		1.004	
Tect		Calibration Testing Calibration Testing	Create New Folder		
TK C10T04 1100101	OF	connect: no connect supplied	Exister Nation		
Invitational	UK .	Max Sessions : 60			ок
		Session Librarian	Edit Folder Info.		
File Name (Trainee ID):		Administer Session Genie Push Current Study to Server Archive Current Study	Archive Current Study and Delete Select and Run	File Name (Trainee ID):	
The Hume (Humee ID).	Sessions Used:				
tesc081551eo\				Demo ANI,	
Trainee Name	1	Logged in, device type Discovery	Use Settings and Close Use These Settings	Trainee Name	
Traince Name.	M 0 1 1	terrent		Hamee Hame.	Sessions Used:
tesc081551eo	Max Sessions:			Demo ANI	1
Comment				Comment	
Mini-02 - 2Chap Assessment 9 Positions	40			ANI	Max Sessions:
min at contractoristication of ostability	Edit				ar ocononor
	Comment				00
					00
Session Genie				Session Genie	
Administration Provider Condu	and the Original and Distance Contract			Martin Results Costs	Durk to Damage and Data to Faller
Auminister acssion Genie Pt	ISH to Server and Delete Folder			Aummister Session Genie	Fusit to activer and Delete Folder

4. Type in the name that you would like and the file ID for the folder in the proper fields. When naming the folder, use a numerical code that you will need to record this in a confidential file.

Create New Folder X CREATE NEW TRAINEE/STUDY FOLDER Name: CreatingPatientFolded Use Name for File ID File ID: CreatingPatientFolder Current Settings will be saved to this Settings File Cancel OK	B Investories B		Create New Folder CREATE NEW TRAINEE/STUDY FOLDER Mame CreatingPatientFolder File ID: CreatingPatientFolder A comment will be added later, that you can edit CreatingPatientFolder O	Vse Name for File ID
	Leggel In. device type Discovery Use Settings a	a case Use these settings		

5. The following screen will prompt you to confirm the name of the folder (BrainAvatar will simply show the name). Click OK to continue (BrainAvatar click Create and Select Settings).

Confirm New Folder X Name: CreatingPatientFolder D: CreatingPatientFolder Current Settings will be saved to this Settings File Cancel OK	El Andro 2013 Second (1998) (El Minisori (1998) (Second (1998)) Second (1998) (Second (1998)) Second Control Melle Fonder and (1998) (Second (1998)) Second (1998) (Second (1998)) Second (1998) (Second (1998)) Second Control Melle Fonder and (1998) (Second (1998)) Second (1998) (Second (1998)) Second (1998) (Second (1998)) Second Control Melle Fonder and (1998) (Second (1998)) Second (1998) (Second (1998)) Second (1998) (Second (1998)) Control Melle Control Melle Fonder and Second Second (1998) Control Melle Control Melle Fonder (1998) (Second (1998))		Confirm New Folder Name: CreatingPatientFolder ID: CreatingPatientFolder A comment will be added later, that you can edit Cancel	×
	Legged in, device Type Discovery	Use Settings and Close Use These Settings		

6. Choose the protocol that you would like to utilize for training.

New Folder - Select a Settings File	X Open	Local PGA (7) > Researching > Recondenses > Settings > Discovers (6)	Perchaine	Saarch Dircomaan bi Parohaine 🧳	× New Folder - Select a Settings File	×
[-1] ^ Mart]	Select a file hat will provide the initial settings for your new folder's settings on the next screen) OK	Lista Dak Col - Regurdan - Sering - Darwey H	Descutárin v D Descutário System Secondario System A 00266 1513-04 BER Secondario Secondario A 00266 1512-04 BER Secondario Secondario A 00266 1	Starth Discovery 14 Resolution Starth Starth Starth Starth Starth Starth	<pre>Part Part Part Part Part Part Part Part</pre>	Select a file that will provide the initial settings for your may double-click to select. (You may edit your new folder's settings on the next screen) OK

7. Fill out the patient information, as well as any additional information you would like contained for this patient file. Click OK or Save and Continue when complete (This screen will not appear in BrainMaster 3.0 Series Software).

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You have now created a Training/Assessment Folder that is ready to use. You can tell this has been completed, as you will see the Setup/Home Screen stating that the current ID and name as you defined for this folder (BrainAvatar will be on the Folder Selection Tab). To train/Assess this client, simply click Run the Next Session to begin (BrainAvatar, simply close the Setup Screen).

🔯 Setup/Home Screen - BrainMaster 3.7i	- 🗆 X	12 Bandwardine X	- 🗆 🗙
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Basic Protocol Information

Protocol	Training	Default Location(s)
Alert	Theta & Hibeta Inhibited, Beta Rewarded with a reward tone when all criteria is met	C3
Deep	Alpha & Theta with Reward each band with its own re- ward tone	Pz
Focus	Theta & Hibeta Inhibited, Lobeta Rewarded with a reward tone when all criteria is met	C4
Peak	Alpha Coherence Training to reward with a MIDI tone when the coherence is above the threshold	01, 02
Relax	Theta & Hibeta Inhibited, Alpha Rewarded with a MIDI reward tone when all criteria is met	C4
Squash	Wideband Single inhibit that rewards with a MIDI tone when the criteria is met	Cz
ROI Training Only Head Select En- hance	Single Band Reward based on the band and location selected using the 3D Head Map with a reward tone when the criteria is met	All 10/20 Sites
ROI Training Only Head Select Inhibit	Single Band Inhibit based on the band and location select- ed using the 3D Head Map with a reward tone when the criteria is met	All 10/20 Sites
Z-Score PZOK 4ch	Trains the percentage of Z-Scores that are falling between +/- your defined range, rewards with a MIDI tone when above your defined Threshold	C3, C4, P3, P4
Z-Score PZOKUL 4ch	Trains the percentage of Z-Scores that are falling between your upper and lower range, rewards with a MIDI tone when above your defined Threshold	C3, C4, P3, P4
Z-Score PZOKUL 4ch Dynamic	Trains the percentage of Z-Scores that are falling between your upper and lower range, rewards with a MIDI tone when above the Dynamic Threshold	C3, C4, P3, P4
Z-Score PZOK 19ch	Trains the percentage of Z-Scores that are falling between +/- your defined range, rewards with a MIDI tone when above your defined Threshold	All 10/20 Sites
Z-Score PZOKUL 19ch	Trains the percentage of Z-Scores that are falling between your upper and lower range, rewards with a MIDI tone when above your defined Threshold	All 10/20 Sites
Z-Score PZOKUL 19ch Dynamic	Trains the percentage of Z-Scores that are falling between your upper and lower range, rewards with a MIDI tone when above the Dynamic Threshold	All 10/20 Sites
Z-Score Using sLORETA Z Absolute Power	Single Band sLORETA Z-Score Absolute Power based on the band and location selected using the 3D Head Map with a MIDI tone when the value falls between the upper and lower range	All 10/20 Sites
Z-Score Using sLORETA PZOKUL	Trains the percentage of Z-Scores that are falling between your upper and lower range, rewards with a MIDI tone when above your defined Threshold	All ROI's All Bands
Z-Score Using sLORETA PZOKUL Dynamic	Trains the percentage of Z-Scores that are falling between your upper and lower range, rewards with a MIDI tone when above the Dynamic Threshold	All ROI's All Bands



Alert – Beta Up Theta and Hibeta Down

Basic Overview

Alert is known more generally as beta training. It consists of a reward on increasing beta, with inhibits placed on theta and hibeta. This protocol is generally applied at C3. When all criteria are met for 500 milliseconds the trainee will get a reward tone (.wav)

Default Settings

Threshold Updating is set to auto-update repeat: after pre-baseline and after each run. This protocol is set to update 10 times, every 120 seconds (20 minute session).

Percent Time over Threshold Hot Keys

't' increase Theta - 'Shift T' to decrease Theta

'b' increase Beta - 'Shift B' to decrease Beta

'h' increase Hibeta – 'Shift H' to decrease Hibeta

Note: 'y' key can be used to manually update at any time

This protocol is set up to work with the BrainMaster DVD player, Flash Player, Dimmer, Multi Media Player, and third party games (E.g. InnerTube, Particle Editor, Zukor)

Note: All designs provided by BrainMaster, are for demonstration and illustration purposes only. It is the clinician's responsibility to ensure that any designs used provide the intended feedback.





Basic Overview

Deep is known as alpha/theta training. It consists of a reward on increasing alpha and theta. This protocol is generally applied at Pz. When each band criteria is met for 500 milliseconds the trainee will get a reward tone for each band.

Default Settings

Threshold Updating is set to auto-update repeat: after pre-baseline and after each run. This protocol is set to update 10 times every 180 seconds (30 minute session).

Percent Time over Threshold Hot Keys

't' increase Theta – 'Shift T' to decrease Theta

'a' increase Alpha – 'Shift A' to decrease Alpha

Note: 'y' key can be used to manually update at any time

This protocol is set up to work with EEG Audio, BrainMaster DVD player, Flash Player, Dimmer, Multi Media Player, and third party games (E.g. InnerTube, Particle Editor, Zukor)

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Focus – Lobeta Up Theta and Hibeta Down

Basic Overview

Focus is known more generally as beta training. It consists of a reward on increasing lobeta, with inhibits placed on theta and hibeta. This protocol is generally applied at C4. When all criteria are met for 500 milliseconds the trainee will get a reward tone (.wav)

Default Settings

Threshold Updating is set to auto-update repeat: after pre-baseline and after each run. This protocol is set to update 10 times every 120 seconds (20 minute session).

Percent Time over Threshold Hot Keys

't' increase Theta – 'Shift T' to decrease Theta

'l' increase Lobeta – 'Shift L' to decrease Lobeta

'h' increase Hibeta – 'Shift H' to decrease Hibeta

Note: 'y' key can be used to manually update at any time

This protocol is set up to work with the BrainMaster DVD player, Flash Player, Dimmer, Multi Media Player, and third party games (E.g. InnerTube, Particle Editor, Zukor)

Note: All designs provided by BrainMaster, are for demonstration and illustration purposes only. It is the clinician's responsibility to ensure that any designs used provide the intended feedback.

No Limit QEEG Assessment(BrainAvatar/Discovery Only)

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20 A2-LE Raw EEG 0.0 mV DC 0.0 kohm	S a	www.comerce.comerce.comerce.comerce.comerce.comerce.comerce.comerce.comerce.comerce.comerce.comerce.comerce.com

Basic Overview

The No Limit QEEG Assessment file is acquiring the standard sensor positions defined by the 10-20 system. The recording condition can be changed on the fly from the condition drop down menu at the top of the BrainAvatar window. Each time the condition is changed from the drop down menu a new EDF is created. The observed offset values on the acquisition screen in BrainAvatar software is generally useful for assessing sensor connection guality

Note: All designs provided by BrainMaster, are for demonstration and illustration purposes only. It is the clinician's responsibility to ensure that any designs used provide the intended use.



Peak – Alpha Coherence Up

Basic Overview

Peak is a more specific type of alpha training. Peak's goal is achieving a coherent state between the left and right hemispheres in the alpha band (8-12 Hz). Eyes are generally closed when using the 'peak' protocol. This protocol is generally applied at C3 and C4. When the alpha coherence is above the training threshold the trainee will get an event sound (MIDI Tone).

Default Settings

Protocol is not set to auto-threshold, and session is set to run for 20 minutes.

Threshold Hot Keys

'c' increase Coherence Threshold – 'Shift C' to decrease Coherence Threshold

This protocol is set up to work with the BrainMaster DVD player, Flash Player, Dimmer, Multi Media Player, and third party games (e.g. InnerTube, Particle Editor, Zukor)

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Relax – Alpha Up Theta Hibeta Down



Basic Overview

Relax (is a classic) alpha protocol. It consists of a reward on increasing alpha, with inhibits placed on theta and hibeta. This protocol is generally applied at Oz. When all criteria are met for 500 millisecond's the trainee will get a reward tone (.wav)

Default Settings

Threshold Updating is set to auto-update repeat: after pre-baseline and after each run. This protocol is set to update 10 times every 120 seconds (20 minute session).

Percent Time over Threshold Hot Keys

'a' increase Alpha - 'Shift A' to decrease Alpha

't' increase Theta - 'Shift T' to decrease Theta

'h' increase Hibeta – 'Shift H' to decrease Hibeta

Note: 'y' key can be used to manually update at any time

This protocol is set up to work with the BrainMaster DVD player, Flash Player, Dimmer, Multi Media Player, and third party games (e.g. InnerTube, Particle Editor, Zukor)

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ROIA – Region of Interest Enhance/Inhibit Train(BrainAvatar Only)



Basic Overview

ROIA Enhance or Inhibit is a protocol that requires the standard 10/20 sites acquired. This settings file is set to up train the band and region of interest defined in the component and ROI drop down menu in the 3D head display. When criteria is met for the trainee will get an event sound (MIDI Tone).

Default Settings

Threshold is set to dynamically adjust which will reward trainee about 50-60% throughout the training session. This settings file is set to run for 20 minutes

This protocol is set up to work with the BrainMaster DVD player, Flash Player, Dimmer, Multi Media Player, and third party games (E.g. InnerTube, Particle Editor, Zukor)

Please Note: The following on the fly adjustments DO NOT apply to all settings file designs training region of interest amplitude. The settings file explained above is designed to make on the fly adjustments from the drop down menu. The following equation in the Event Wizard is required in order to make these adjustments on the fly: x=LoretaROIA(SELECTROI,SELECTBAND);

Note: All designs provided by BrainMaster, are for demonstration and illustration purposes only. It is the clinician's responsibility to ensure that any designs used provide the intended feedback.





Basic Overview

Squash is a protocol that consists of inhibits placed on four bands, spanning the range from 4-20 Hz. This protocol is generally applied at Cz. When criteria is met the trainee will get an event sound (MIDI Tone).

Default Settings

Threshold Updating is set to auto-update repeat: after pre-baseline and after each run. This protocol is set to update 10 times, every 120 seconds (20 minute session).

Percent Time over Threshold Hot Keys

'u' increase User - 'Shift U' to decrease User

Note: 'y' key can be used to manually update at any time

This protocol is set up to work with the BrainMaster DVD player, Flash Player, Dimmer, Multi Media Player, and third party games (E.g. InnerTube, Particle Editor, Zukor)

Note: All designs provided by BrainMaster, are for demonstration and illustration purposes only. It is the clinician's responsibility to ensure that any designs used provide the intended feedback.



Z-Score PZOKUL Dynamic and Z-Score PZOKUL 'C' Key

Basic Overview

Z-Score training is a scientifically designed software approach which will analyze selected training; compare those sites with a normative database, and reward the Z-Scores that fit within the desired upper and lower limits (database e.g. ANI, BrainDX, qEEG Pro). Z-Score PZOKUL Dynamic protocol has a training threshold that will auto adjust based on the percent of Z-Scores the trainee is pulling in between the upper and lower limits. Z-Scores PZOKUL 'C' Key - is used when one wants to manually adjust the training threshold. When the trainee's percent of Z-Scores are above the training threshold the trainee will get a reward tone.

Threshold Hot Keys

'u' increase Upper Threshold – 'Shift U' to decrease Upper Threshold

'l' increase Lower Threshold - 'Shift L' to decrease Lower Threshold

Z-Scores PZOKUL 'C' Key - Threshold Hot Keys

'c' increase Controlled Threshold – 'Shift C' to decrease Controlled Threshold

This protocol is set up to work with the BrainMaster DVD player, Flash Player, Dimmer, Multi Media Player, and third party games (e.g. InnerTube, Particle Editor, Zukor)

Note: All designs provided by BrainMaster, are for demonstration and illustration purposes only. It is the clinician's responsibility to ensure that any designs used provide the intended feedback.

Z-Score sLORETA Absolute Power – Training a single Region of Interest and a single band to a normative database (BrainAvatar Only)



Basic Overview

Z-Score sLORETA Absolute Power training is a scientifically designed software approach which will analyze selected training compare those regions of interest with a normative database, and reward the Z-Scores that fit within the desired upper and lower limits (database e.g. BrainDX, qEEG Pro). This is a settings file that requires the standard 10/20 sites. Z-Score sLORETA Absolute Power settings file will reward the trainee when the selected training perimeter is in-between the upper and lower threshold. The region of interest and component are adjusted from the Live LORETA Projector drop down menu.

Default Settings

Threshold is set to dynamically adjust which will reward trainee about 50-60% throughout the training session. This settings file is set to run for 20 minutes

Threshold Hot Keys

'u' increase Upper Threshold – 'Shift U' to decrease Upper Threshold

'l' increase Lower Threshold - 'Shift L' to decrease Lower Threshold

This protocol is set up to work with the BrainMaster DVD player, Flash Player, Dimmer, Multi Media Player, and third party games (E.g. InnerTube, Particle Editor, Zukor)

Please Note: The following on the fly adjustments DO NOT apply to all settings file designs training region of interest sLORETA Absolute Power. The settings file explained above is designed to make on the fly adjustments from the drop down menu. The following equation in the Event Wizard is required in order to make these adjustments on the fly: x=LoretaROIZAP(SELECTROI,SELECTBAND);

Note: All designs provided by BrainMaster, are for demonstration and illustration purposes only. It is the clinician's responsibility to ensure that any designs used provide the intended feedback.

Z-Score sLORETA PZOKUL Dynamic and Z-Score sLORETA PZOKUL `C' Key – Training multiple regions of interest and multiple bands to a normative database (BrainAvatar Only)



Basic Overview

sLORETA Z-Score training is a scientifically designed software approach which will analyze selected training compare those regions of interest with a normative database, and reward the Z-Scores that fit within the desired upper and lower limits (database e.g. BrainDX, qEEG Pro). This is a settings file that requires the standard 10/20 sites. Z-Score PZOKUL Dynamic protocol has a training threshold that will auto adjust based on the percent of Z-Scores the trainee is pulling in between the upper and lower limits. Z-Scores PZOKUL 'C' Key - is used when one wants to manually adjust the training threshold. When the trainee's percent of Z-Scores are above the training threshold the trainee will get a reward tone.

Training location are setup within the BrainAvatar Z-Score Setup. Left click on the regions to train, then right click over the regions to customize training bands.

Threshold Hot Keys

'u' increase Upper Threshold – 'Shift U' to decrease Upper Threshold

'I' increase Lower Threshold – 'Shift L' to decrease Lower Threshold

Z-Scores PZOKUL 'C' Key - Threshold Hot Keys

'c' increase Controlled Threshold – 'Shift C' to decrease Controlled Threshold

This protocol is set up to work with the BrainMaster DVD player, Flash Player, Dimmer, Multi Media Player, and third party games (E.g. InnerTube, Particle Editor, Zukor)

Note: All designs provided by BrainMaster, are for demonstration and illustration purposes only. It is the clinician's responsibility to ensure that any designs used provide the intended feedback.



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