

Software and Hardware Installation Manual

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Contents

MINIMUM PC COMPUTER REQUIREMENTS	2
Main Software	
Where to find it	
Which version of software should be installed	
Installation Process	
Add-On Software	
Where to find it	
Installation Process	
BrainMaster Add-on Package Installation Guide	
Hardware Settings	
Changing/Identifying the COM Port	

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 Professional with Media Center Pack Ad On
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*

CPU:	Quad-core or above
Operating System:	Windows Vista, Windows 7, Windows 8 Professional with Media Center Pack Add-On
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
	Adobe Flash Player: Required for BMrFlash Player
	Adobe Shockwave Player: Required for BMrFlash Player

BrainAvatar[™] 4.0 Software

CPU:	Quad-core or above
Operating System:	Windows Vista, Windows 7, Windows 8 Professional with Media Center Pack Add-On
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
	Adobe Flash Player: Required for BMrFlash Player
	Adobe Shockwave Player: Required for BMrFlash Player

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



531-319 v6.0 6/22/2014

Main Software

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>

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.

BrainMaster Software and Hardware Installation Manual *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 labelled Program Files

Arganize • Share wi	th Burn New folder				51 ·	- 11	1
Favorites	Name	Date modified	Туре	Size			
E Desktop	AMD .	3/8/2014 6:11 PM	File folder				
Bownloads	eSupport	8/10/2010 9/56 PM	File folder				
Stopbox	👍 Intel	8/10/2010 9:41 PM	File folder				
ConeDrive	🔒 NFplayer	5/17/2014 10:24 AM	File folder				
1 Recent Places	INFviewer	5/17/2014 10:24 AM	File folder				
	🎍 PerfLogs	7/13/2009 8:20 PM	File folder				
🗃 Libraries	🕌 Program Files	6/13/2014 8:31 PM	File folder				
Documents	JE PUZZLE1	5/17/2014 10:24 AM	File folder				
Music #	🌲 sLoreta-Avatarimport	5/17/2014 10:24 AM	File folder				
Pictures	🔒 SR1	5/17/2014 10:24 AM	File folder				
Videos	🕌 tmp	5/17/2014 10:24 AM	File folder				
	🍰 Users	3/8/2014 12:08 AM	File folder				
Homegroup	👍 Windows	5/17/2014 11:27 AM	File folder				
	AdobeReader	6/15/2009 4:12 AM	Text Document	1 KB			
Computer	Creative	8/10/2010 9:55 PM	Text Document	1 KB			
🏜 OS (C:)	📄 devlist	8/10/2010 10:11 PM	Test Document	18 KB			
📖 Data (D:)	📄 dpi	3/8/2014 12:18 AM	Text Document	1 KB			
	E Finish	8/10/2010 10:11 PM	Text Document	1 KB			
Network +	G73JH_WIN7.20	7/30/2010 3:38 AM	20 File	1 KB			

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





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 labelled Program Files and one labelled Program Files (x86).

Organize Share wit	th Burn New folder				· •	1
🔶 Favorites	Name	Date modified	Туре	Size		
E Desktop	😹 AMD	3/8/2014 6:11 PM	File folder			
Le Downloads	ASUS.DAT	3/8/2014 12:10 AM	File folder			
Stopbox	ASUS.SYS	8/10/2010 10:00 PM	File folder			
ConeDrive	🧾 dvmexp	8/10/2010 10:00 PM	File folder			
🔛 Recent Places	😹 eSupport	8/10/2010 9:56 PM	File folder			
	🅌 Intel	8/10/2010 9:41 PM	File folder			
词 Libraries	MSOCache	6/13/2014 8:58 PM	File folder			
Documents	NEplayer	5/17/2014 10:24 AM	File folder			
🖻 🎝 Music 🗏	3 NFviewer	5/17/2014 10:24 AM	File folder			
Pictures	PerfLogs	7/13/2009 8:20 PM	File folder			
Videos	🎍 Program Files	6/13/2014 8:31 PM	File folder			
	Program Files (x86)	6/13/2014 8:46 PM	File folder			
🜏 Homegroup	ProgramData	6/13/2014 8:45 PM	File folder			
	PUZZLE1	5/17/2014 10:24 AM	File folder			
Computer	📕 sLoreta-AvatarImport	5/17/2014 10:24 AM	File folder			
DS (C:)	📕 SR1	5/17/2014 10:24 AM	File folder			
Data (D:)	🅌 tmp	5/17/2014 10:24 AM	File folder			
	🔒 Users	3/8/2014 12:08 AM	File folder			
Network .	Windows	5/17/2014 11:27 AM	File folder			

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



BrainMaster Software and Hardware Installation Manual 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.

BrainMaster 2.5SE Software - InstallShield Wizard				
	Preparing to Install			
0	BrainMaster 2.5SE Software Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.			
No.	Extracting: BrainMaster 2.5SE Software.msi			
Z				
	Cancel			

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



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.

BrainMaster 2.5SE Software - InstallShield Wizard
License Agreement Please read the following license agreement carefully.
END USER LICENSE AGREEMENT
Before using this Software, you should carefully read the following terms and conditions. Operating this software indicates your acceptance of these terms and conditions.
BrainMaster Technologies, Inc. (BrainMaster) provides this Software and licenses its use to you, the Customer. BrainMaster retains ownership of all rights in the Software and of all proprietary technology embodied therein.
I accept the terms in the license agreement
\bigcirc I $\underline{d}o$ not accept the terms in the license agreement
InstallShield
< <u>Back</u> <u>Next</u> Cancel

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

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

Customer Information Please enter your information.		The second secon	
User Name:			
Robert Milicia			
Organization:			
BrainMaster Technologies, Inc.			
nstallShield			
	< Back	<u>N</u> ext >	Cancel

波 BrainMaster 2.5SE Software - InstallShield 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 your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield

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

🙀 BrainMa	ster 2.5SE Software - InstallShield Wizard
Installing The prog	BrainMaster 2.55E Software ram features you selected are being installed.
1 .	Please wait while the InstallShield Wizard installs BrainMaster 2.55E Software. This may take several minutes. Status:
InstallShield —	< Back Next > Cancel

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 statig 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.

 PLEASE NOTE: If you are installing any software besides the BrainAvatar Software, please proceed to step 15. If you are installing the BrainAvatar Software, a License Agreement will appear for the Visual Studios C++ 2005 Redistributable Pack that needs to be accepted in order to continue. Do this by clicking on the Yes button to continue.





Microsoft Visual C++ 2005 Redistributable (x86)
Please read the following license agreement. Press the PAGE DOWN key to see the rest of the agreement.
MICROSOFT SOFTWARE LICENSE TERMS MICROSOFT VISUAL C++ 2005 RUNTIME LIBRARIES These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft * updates, * supplements,
Internet-based services, and * support services for this software, unless other terms accompany those items. If so, those terms apply.
Do you accept all of the terms of the preceding License Agreement? If you choose No, Install will close. To install you must accept this agreement.
<u>Y</u> es <u>N</u> o

REF

10. The redistributable will begin. This process may take several minutes to complete.



11. If you are installing the BrainAvatar Software, I license agreement will appear for the DirectX installer that needs to be accepted in order to continue. Click on the button next to I accept the agreement, then clicking next to continue.



12. A screen will open that you will need to confirm the installation of the DirectX Runtime components. Click Next to continue.

Installing Microsoft(R) DirectX(R)	
DirectX Setup Install DirectX runtime components	2.3
DirectX Runtime Install: This install package will search for updated DirectX Runtime Components and update as necessary. It may take a few minutes.	
To start installation, please click Next.	
< Back Next >	Cancel

13. The DirectX Installation will begin. This process may take several minutes to complete



14. The following screen will appear to confirm that the DirectX Installer has completed installation. Click "Finish" to continue.



15. A BrainMaster Hardware Device Installation menu will open. Click next to continue.



16. The Hardware Driver installation will begin. While this is completing, additional screens will pop up that require input from you.



- A. 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.
- B. 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.
- 17. The following screen will appear confirming the installation of the two drivers. Click Finish to continue. **PLEASE NOTE:** In order to finalize the installation of the Hardware, the BrainMaster Hardware will need to be plugged into the computer. Once this is completed, Windows will assign a COM Port for the BrainMaster Hardware. For more information on the Changing and Identifying a COM Port, please see the Hardware Section.







18. The CVIRT Installer will begin to initialize. When it has initialized, it will go to the next screen on its own.



 When the CVIRT installer begins, it will ask where you would like to install the files. DO NOT CHANGE THIS! In order for proper function, it must install into the directory it has selected. Click Next to Continue.

過 NI LabWindows/CVI 8.0.1 Run-Time Engine	
Destination Directory Select the primary installation directory.	
All National Instruments software will be installed in the following folder. To instal a different folder, click the Browse button, and select another folder.	ll into
National Instruments Directory c:\Program Files (x86)\National Instruments\	Browse
<< Back Next	>> <u>C</u> ancel

20. 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.

🖓 NI LabWindows/CVI 8.0.1 Run-Time Engine	
License Agreement You must accept the license(s) displayed below to proceed.	
NATIONAL INSTRUMENTS SOFTWARE LICENSE AG	
INSTALLATION NOTICE: THIS IS A CONTRACT. BEFORE YOU DOWNLOAD T AND/OR COMPLETE THE INSTALLATION PROCESS, CAREFULLY READ THI DOWNLOADING THE SOFTWARE AND/OR CLICKING THE APPLICABLE BUT COMPLETE THE INSTALLATION PROCESS, YOU CONSENT TO THE TERMS AGREEMENT AND YOU AGREE TO BE BOUND BY THIS AGREEMENT. IF YOU BECOME A PARTY TO THIS AGREEMENT AND BE BOUND BY ALL OF ITS TEI CONDITIONS, CLICK THE APPROPRIATE BUTTON TO CANCEL THE INSTAL DO NOT INSTALL OR USE THE SOFTWARE (INCLUDING ALL ACCOMPANY MATERIALS, ALONG WITH THEIR CONTAINERS) TO THE PLACE YOU OBTAIL RETURNS SHALL BE SUBJECT TO NIS THEN CURRENT RETURN THE OUTORY. 1. Definitions. As used in this Agreement, the following terms have the follow	HE SOFTWARE S AGREEMENT. BY TON TO OF THIS J DO NOT WISH TO RMS AND LATION PROCESS, WITHIN THIRTY NG WRITTEN NED THEM. ALL wing meanings:
accept the Licens: Accept the Licens:	e Agreement(s)
<pre></pre>	<u>Cancel</u>

21. The following screen will let you know what will be installed. When ready, click Next to continue.



PLEASE NOTE: If you have already installed the CVIRT, then the following message stating that no software will be installed. Click the Cancel Button, and proceed to step 25.

影 NI LabWindows/CVI 8.0.1 Run-Time Engine	
Start Installation Review the following summary before continuing.	
Installation Summary No software will be installed or removed.	
Save File Kex	t>> <u>C</u> ancel

22. The CVIRT installation process will begin. Nothing is required for you to do. This process may take several minutes to complete.

A NI LabWindows/CVI 8.0.1 Run-Time Engine	
Overall Progress	
Currently installing NI LabWindows/CVI 8.0.1 Run-Time Engine. Part 2 of 5.	
(<< <u>B</u> ack	xt>>> Cancel

23. When this is completed, the following screen will appear. Click "Finish" to continue.



PLEASE NOTE: Before being able to click finish, the following window might appear. There are no issues with this message. Click OK to continue.



24. The following message will appear stating that you will need to restart in order to complete the installation. Click Restart Later to continue.



25. The following screen will appear to confirm that the 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.



Add-On Software

Where to find it

BrainMaster Add-On software can be found in two different locations:

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



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



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

Installation Process

WinZip Self-Extractor

1. After beginning the software installation, an extraction screen will appear. Click yes to continue the installation.

2. The following pop-up will appear. No action is required. When completed, the screen will close on its own.

The BrainMaster Protocol Package will now be available for use for the selected BrainMaster Software. You will be able to see that this is successful by viewing the Settings in the Read or Write Settings Files.



X

To unzip all files in this self-extractor file to the specified folder press the Unzip button. Unzip to folder:	Unzip Run WinZip Close About Help
Unzipping sum00006.bsm	

· · · · · · · · · · · · · · · · · · ·		Use this screen to manage your Settings Fi		
	~	traineelstudy folder without using this		
ert]		screep		
sym]		outom		
asic2ChEMG]				
ccpj				
ocus		Save Current Settings to a New File		
EG nIR pIR or THERM for 3.0 with Trend Graph and MMP and Flash				
EG or TEMP with manual threshold keyboard controlled				
EG plH or nIR or Temp with Somatic Vision Enabled				
EG Proportional Feedbackj		Save Current Settings To Selected File		
EG training (w. Flash Games))				
EG with Trend Graph and MMP and Flash and Games working				
EG_LEST_TOF_JETT		Settings Description:		
cakj 		No name file		
betis Output EEC Controlled Fixed Date				
holic Output Elea Controllea Fixea Ratej		Disastera		
hotic Output Frequency Honning]		Directory.		
hotic Output Model Free plus Offset				
hotic Output Modal (red plas onseq				
hotic Output Peak Frequency and Offset				
hotic Output Random Rates				
hotic Output Sequence II				
hotic Output Sequence III		Read In Settings From Selected File		
hotic Output Variable Rate		go rion ooloota rio		
elax				
CR Pod Atlantis]		1		
harp]	-	Cancel OK		

BrainMaster Software and Hardware Installation Manual BrainMaster Add-on Package Installation Guide

 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. close on



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



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



6. The following screen will appear to confirm that the the selected BrainMaster Software Add-0n 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 seeing the name of the add-on in the Programs and Features Menu.

🕒 🗢 🕅 🕨 Control Panel 🕨	Programs Programs and Features		€ € ∳ Search	Programs and F	eatures	×
Control Panel Home View installed updates M Turn Windows features on or	Uninstall or change a program To uninstall a program, select it from the list and then	click Uninstall, Change, or Repair.				
off	Organize 🔻					?
	Name	Publisher	Installed On	Size	Version	-
	ASUS Live Update	ASUS	8/10/2010		2.5.9	
	ASUS Power4Gear Hybrid	ASUS	8/10/2010	12.2 MB	1.1.37	
	2° ASUS SmartLogon	ASUS	3/8/2014	10.9 MB	1.0.0008	=
	RSUS Splendid Video Enhancement Technology	ASUS	8/10/2010	24.4 MB	1.02.0028	
	E ASUS Virtual Camera	asus	8/10/2010	3.12 MB	1.0.20	
	📶 ATK Package	ASUS	8/10/2010	13.3 MB	1.0.0005	
	🗿 avast! Free Antivirus	Avast Software	5/17/2014		9.0.2018	
	BrainMaster BrainAvatar	BrainMaster Technologies, Inc.	6/15/2014	425 MB	4.4.5.43	
	SrainMaster EEGPro Package Suite For the Discovery BrainMaster Technologies, Inc.		6/22/2014	160 KB	1.00.0000	
	🐗 ControlDeck	ASUS	8/10/2010	1.81 MB	1.0.7	
	Oreative MediaSource 5	Creative Technology Limited	8/10/2010		5.00	
	🐼 Dotfuscator Software Services - Community Edition	PreEmptive Solutions	4/29/2014	6.44 MB	5.0.2300.0	
	😻 Dropbox	Dropbox, Inc.	5/26/2014		2.8.2	
	DScaler 5 Mpeg Decoders		6/22/2014			
	🔂 Express Gate	DeviceVM, Inc.	8/10/2010	441 MB	1.4.10.2	
	🍯 Fast Boot	ASUS	8/10/2010	1.46 MB	1.0.5	-
	· [
	Currently installed programs Total size: 2. 112 programs installed	.59 GB				

REF 531-319 v6.0 6/22/2014

Hardware Settings

Changing/Identifying the COM Port

If you need to change which COM Port the BrainMaster device is assigned to, or simply would like to know what COM Port your unit is assigned to, follow these steps. **PLEASE NOTE: The BrainMaster unit must be assigned to a COM between COM 3 and COM 32. If it assigned to another COM Port outside of these numbers, it will not function.**

- Get to the Device Manager. This can be found at Control Panel→System and Security→Device Manger. The BrainMaster Module, will be located under the section "Ports (COM & LPT)". If you are simply looking for what COM Port your device is on, this will tell you. If you are looking to change your COM Port, proceed to the next step
- 2. Right-click on the BrainMaster Module listing, and then on the drop-down menu, left-click on "Properties":



3. Click the "Port Settings" tab. Under the "Port Settings" tab, click the "Advanced" button.



4. On the drop-down menu next to "COM Port Number," choose, by clicking and highlighting a COM Port number that does not have the words "in use" next to it. When this is complete, click "OK" in the upper right corner.

Advanced Settings for COM4			? 🔀
COM Port Number: COM4 COM5 in us Select lower settings COM7 (in us Select higher settings COM7 (in us Select higher settings for faster pe Receive (Bytes): Transmit (Bytes):	ce problems at lo formance.	w beud rates.	OK Cancel Defaults
	, _		
BM Options			
Select lower settings to correct re	sponse problems.		
Latency Timer (msec):	16 💌		
Miscellaneous Options			
Minimum Read Timeout (msec): Minimum Write Timeout (msec):		Serial Enumerator Serial Printer Cancel If Power Off Event On Surprise Removal Set RTS On Close	

Click "OK" on the "Properties" screen to properly set the COM Port. Once this has been completed, the COM Port will now be set to the COM selected. **Please make sure that you always keep track of the COM Port that your unit has been assigned.**



BrainMaster Products are manufactured by:

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REF 531-319 v6.0 6/22/2014