## ATLANTIS and 2EB HARDWARE and USB INSTALLATION

Note: Do these steps to install the hardware ONLY after the software has been installed. If you plug in the unit to the computer prior to installing the software, you may encounter difficulties in the process. If you have not yet installed the software, go back to Chapter 2 and follow the instructions for installing the software.

The first step is to use the cable provided to connect the USB cable to the Atlantis or 2EB module, and then connect the USB cable into one of the USB ports on the computer.

The first thing you will see is a balloon message in the lower right hand corner of your computer that states "Found new hardware".

This will then open the "<u>Found New Hardware Wizard</u>". When you see this window, check the "<u>no, not</u> <u>this time</u>" circle, and then click "<u>next</u>".



At this window, check the <u>"install from a list or specific location</u>" circle, and click "<u>next</u>":



At this point, check the "<u>Include this location in the search</u>" circle; but if the drop-down menu window under this line does not show "**c:\brainm.20\USBfiles**", you'll need to navigate to that location to make this show in the drop-down menu window. To do so, first click on the "<u>Browse</u>" button:

Found New Hardware Wizard				
Please choose your search and installation options.				
Search for the best driver in these locations.				
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.				
Search removable <u>m</u> edia (floppy, CD-ROM)				
Include this location in the search:				
D:\Modem\AMR\PCtel\WinXP Scowse				
O Don't search. I will choose the driver to install.				
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.				
< <u>B</u> ack <u>N</u> ext > Cancel				

First click on "My Computer"

Browse For Folder 🛛 🔹 🔀	Browse For Folder
Select the folder that contains drivers for your hardware.	Select the folder that contains drivers for your hardware.
Image: My Computer   ▲     Image: My Computer   ▲	Image: System of the syste
To view any subfolders, click a plus sign above.	To view any subfolders, click a plus sign above.

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## Then click on "brainm.20"

В	rowse For Folder 🛛 🛛 🛛 🛛 🛛 🥐 🔀
2	Select the folder that contains drivers for your hardware.
	🖃 😼 My Computer 🛛 🔼
	🗉 🖑 31⁄2 Floppy (A:)
	🖻 🥯 Local Disk (C:)
	🗆 🗀 brainm.20
	ani_cdbf
	🛅 archive
	🗉 🛅 Assist
	🛅 Control
	📄 DII32 🛛 💌
	To view any subfolders, slick a plus size above
	o view any subfolders, click a plus sign above.
	OK Cancel

Then scroll down and find the folder named "<u>USBfiles</u>" and click on that file name and click <u>"ok</u>":

В	rowse For Folder	? 🗙			
2	select the folder that contains drivers for your hardware.				
	🖃 🚞 brainm.20	^			
	🛅 ANI_CDBF				
	🚞 archive				
	🗉 🚞 Assist				
	🚞 Control				
	🛅 DII32				
	🚞 Dlls	=			
	🗉 🚞 Docs				
	🗉 🚞 ExtraAVI				
	🗉 🚞 EXTRASW				
	🗀 Flash Player				
	🚞 Multimedia Player				
	🗉 🗀 ReviewSW				
	🗉 🚞 Settings				
	🗉 🚞 Studies				
	🗀 USBFiles				
	🗉 🚞 Documents and Settinos	×			
I	To view any subfolders, click a plus sign above.				
	ОК	Cancel			

At this point **"c:\brainm.20\USBfiles"** should now show in the drop-down browse window; make sure that only the "<u>search for best driver from these locations</u>" circle is checked and the "<u>include this location</u> in the search" box is checked; then click "<u>next</u>":

Found New Hardware Wizard
Please choose your search and installation options.
● <u>S</u> earch for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM)
✓ Include this location in the search:
C:\brainm.20\USBFiles
○ Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< <u>B</u> ack <u>N</u> ext > Cancel

If this window comes up during the installation process, click "continue anyway":



At this point you will see an installation progress window show for a few moments:

Found New Hardware Wizard				
Please wait while the wizard installs the software				
BrainMaster Atlantis I Module				
Setting a system restore point and backing up old files in case your system needs to be restored in the future.				
< Back Next > Cancel				

When the installation is completed, this window will display, and "Finish":



At this point you will *again* see a <u>"Found New Hardware</u>" wizard window, as the computer now needs to install the USB port. Below are the text instructions which are the same as the ones above. Refer to the above pictures if you need to know what the screens look like.

- At the second <u>"Found New Hardware Wizard</u>" box, again, check the "<u>no, not at this time</u>" circle and "<u>next</u>"
- On the next screen check the "install from a list or specific location" circle and click "next"
- On the next screen "c:\brainm.20\USBfiles" should automatically be in the "<u>include this location</u> <u>in the search</u>" browse window, and again, make sure that only the "<u>search for best driver from</u> these locations" and "include this location in the search" boxes are checked; then click "next":
- On the next screen box click the "<u>continue anyway</u>" box
- On the next screen box the progress of the install will be shown;
- And then finally you will again get a Found New Hardware box and click "Finish".

At this point you will get a confirmation that the hardware is ready to use by a message balloon at the bottom right corner of your computer screen:



## IDENTIFYING COM PORT HARDWARE INSTALLED ON:

The next necessary step is to identify which com port the hardware has been assigned to in order to designate this in the Brainmaster software.

Highlight the Start Menu, and click on "Control Panel"



If your computer is set to "category view", switch to "classic view" by clicking the option of "<u>Switch to</u> <u>Classic View</u>" on the left panel:



With the "classic view" of control panel, locate the "system" icon and double click on it (the icons should be in alphabetical order); double click on the "system" icon:



When this window comes up, click the "Hardware" tab:

System Properti	es		? 🔀
System Restore General Compu	Automa iter Name	atic Updates Hardware	Remote Advanced
	В	vstem: Microsoft Window Home Edition Version 2002 Service Pack 2 egistered to:	sXP

When this window comes up, click on "Device Manager":



When the following window comes up, scroll down and click on "<u>Ports (COM & LPT)</u>", and the *Brainmaster Atlantis* unit should be listed:



The Com port assigned (the COM#) should be assigned to a number between 1 and 32; preferably between 1-8. Make note of which Com port the Atlantis is installed on for the first use of the Brainmaster software. The Com port which is assigned here must match the Com port which is shown in the Brainmaster software (seen at this Brainmaster softare window):

Data Channels - BrainMaster 3.0.8 🛛 🗙							
EEG Channels: C One C Two C AUX ONLY Four	Software Digital Filter Order: 1 2 3 4 5 6 7 8 9 10 lower order is faster higher order is more selective						
Sum-Channel Mode: ON OFF	Atlantis Hardware Control						
4-channel Sum Method: C Split © Combine	Amplitude Scale: • Peak-to-Peak • RMS						
Save EEG to Disk:	Artifact Threshold: 240 microvolts						
Software Notch Filters: G0 Hz Notch Filter	50 Hz Notch Filter						
EEG Data Sampling Rate	EEG Data Sampling Rate: © 120 sps 📀 256 sps						
COM Port Select: Enter COM Port Number (1, 2, 3,, 32) 6							
Search this PC for Available COM Ports							
Cancel Electrodes & Trainee Info OK							

## CHANGING THE COM PORT that the HARDWARE is INSTALLED ON:

If you need to change which Com port the Atlantis is assigned to, follow these instructions.

First, with the Device Manager window still up; right-click on the <u>Brainmaster Atlantis Module</u> listing, and then on the drop-down window, left-click on the word "<u>Properties</u>":



Next, at this window, click "Port Settings":

neral	Port Settings D	river Details	
9	BrainMaster Atla	ntis I Module (COM6)	
	Device type:	Ports (COM & LPT)	
	Manufacturer:	FTDI	
	Location:	on BrainMaster Atlantis I Module	
	ce status device is working r	properly	
lf yo		ms with this device, click Troubleshoot to	
		Troubleshoot	
evice	usage:	4	
	is device (enable)		

Next, at this window, click on the "Advanced" tab:

BrainMaster Atlantis I Module (COM6? 🔀
General Port Settings Driver Details
Bits per second 3600 ▼ Data bits: 8 ▼ Parity: None ▼ Stop bits: 1 ▼
Elow control: None
Advanced
OK Cancel

Next, on the drop-down menu next to the "Com Port Number", choose, by clicking on and highlighting a Com port number that does **not** have the words "(in use)" next to it, and then click "<u>ok</u>" which is in the upper right part of the window :

Advanced Settings fo	COM6	? 🗙
COM Port Number: COM6 USB Transfer Sizes COM4 (in us COM5 (in us COM5 Select lower settings COM7 Select higher settings for faster pe	nce problems at low baud rates.	OK Cancel Defaults
Receive (Bytes): Transmit (Bytes):	4096 <b>•</b>	
BM Options Select lower settings to correct res Latency Timer (msec):	ponse problems.	
Miscellaneous Options Minimum Read Timeout (msec): Minimum Write Timeout (msec):	Serial Enumerator ▼   0 Serial Printer □   Cancel If Power Off □   0 ▼ Event On Surprise Removal   Set RTS On Close □	

When you get back to this screen, just click "<u>ok</u>":

BrainM	aster A	tlantis I Mo	odule	(COM6	<b>?</b> ×
General	Port Settings	Driver Details			
		<u>B</u> its per second: Data bits: Parity: Stop bits: Elow control:	8 None		• • •
				<u>B</u> estore Defa	ults
				ок (	Cancel

When you get back to the Device Manager screen, close the screen. Then at the System Properties screen, again click on "Device Manager" and then "Ports (COM & LPT)" to verify that the correct Com port change has been made. Then close the Device Manager screen and then close the System Properties screen. You are now ready to go on and use the Brainmaster software and hardware.