

Dear NeuroPulse-Systems Customers,

Enclosed herewith is Version 1.03 of the new MindMeld software, and the final documentation. I've added an audio control panel to MindMeld2.exe that can be used to provide audio stimuli using our Echofone product (www.echofone.com) or stereo headphones plugged directly into your sound card.

MindMeld is in two parts, similar to the Mindlab/Wavelab combination. Use "MindMeld2.exe" to capture the data in real-time, and "MindMeld Analysis.exe" to play back the data for off-line analysis.

Known shortcomings:

1. Printing. The MindMeld Analysis printing functions are now complete. When you print any window other than the stripchart 1 window, the contents of that window are blitted out to the printer as a graphic so make sure that the window you want to print is the topmost window, not covered by any other window. The stripchart 1 window is drawn directly to the printer so it has no such restriction. Also, the contents of the stripchart 1 window will be much finer detail than the stripchart 2 window.

2. The contents of the CSA window are not maintained (the history is not kept in memory) so if you cover the CSA window with another window or move the CSA window off the edge of the screen, its contents will be lost. If you want to print a CSA, make sure the CSA window is the topmost window when playing back the scheme. Right-click on the CSA window to print its contents.

Please report all bugs and ideas/suggestions to me at one of the following e-mail addresse:

info@np-systems.com

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MindMeld Revision History

Date	Program	New Version #
6/13/03	MindMeld Analysis Functions	Version 1.02
	MindMeld Live Data Capture	Version 1.02

Discussion

Re-sized some of the tool windows because windowsXP was cutting off the bottoms. In Live Data Capture, added code to make the calibration window the front-most window as calibration begins.

Date	Program	New Version #
9/1/02	MindMeld Analysis Functions	Version 1.01

Discussion

Fixed a bug in the printing functions. When printing a tool window, some printers would scramble the output on the printed page.

<u>Date</u>	<u>Program</u>	<u>New Version #</u>
11/8/01	MindMeld Live Data Capture	Version 1.0
11/8/01	MindMeld Analysis Functions	Version 1.0

Discussion

Renamed Beta 1.2 to Release 1.0. Added the audio control panel.

<u>Date</u>	<u>Program</u>	<u>New Version #</u>
9/1/01	MindMeld Live Data Capture	Beta 1.2
9/1/01	MindMeld Analysis Functions	Beta 1.2

Discussion

Fixed a bug in version Beta 1.1 which would cause MindMeld Analysis Functions to crash while scrolling a large data file. If, for example, the right arrow was clicked and held down the program would crash after scrolling approximately 1,100 seconds into the file.

This latent bug was also in the MindMeld Live Data Capture program but would not surface unless a scheme was started and stopped about 1,000 times during the same session.

<u>Date</u>	<u>Program</u>	<u>New Version #</u>
7/17/01	MindMeld Analysis Functions	Beta 1.1

Discussion

Fixed a bug in the ".eeg" file format. The original .eeg file format as saved by the old MindLab program did not have provision for Ignore Regions or scaled data. Since the MindMeld Live Data Capture program can save scaled data to the .eeg file, it was necessary to provide a means to signal the fact that there was scaled data in the file.

When you open an .eeg file in MindMeld Analysis Functions, it looks at the open .eeg file and if there is scaled data therein it ignores the "Use Calibration Scalers" flag (in the Special Menu). This prevents already scaled data from being scaled again while playing the file back.

Also, if you create or change any Ignore Regions in an .eeg file, the Ignore Regions

16ch_readme.txt

data is
appended to the end of the actual sample data and a flag is set to alert MindMeld
Analysis
Functions that there is Ignore Region data contained in the file.

The bug was as follows:

If there was scaled data contained in the .eeg file, a flag was set as discussed
above.

If you subsequently created or changed Ignore Regions within that same .eeg file,
the flag
was reset to a new value and the fact that there was scaled data in the file was
lost.

Thus, already scaled data would be scaled again if "Use Calibration Scalers" is
selected in
the Special menu.
