Get Audiogram Documentation

The Get Audiogram Application retrieves audiograms from the Tremetrics RA300, RA500 and HT Wizard Audiometers and writes the audiogram test data to a comma delimited file.

CSV File Format
Application Functionality

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Data Map

Field 1	Patient ID
Field 2	Test Type
Field 3	Test ID
Field 4	Serial Number
Field 5	Test Date
Field 6	Test Time
Field 7	Calibration Date
Field 8	Examiner ID
Field 9	Left 1kt Test Result
Field 10	Left 1kt Test Mode
Field 11	Left 500 Test Result
Field 12	Left 500 Test Mode
Field 13	Left 1k Test Result
Field 14	Left 1k Test Mode
Field 15	Left 2k Test Result
Field 16	Left 2k Test Mode
Field 17	Left 3k Test Result
Field 18	Left 3k Test Mode
Field 19	Left 4k Test Result
Field 20	Left 4k Test Mode
Field 21	Left 6k Test Result
Field 22	Left 6k Test Mode
Field 23	Left 8k Test Result
Field 24	Left 8k Test Mode
Field 25	Right 1kt Test Result
Field 26	Right 1kt Test Mode
Field 27	Right 500 Test Result
Field 28	Right 500 Test Mode
Field 29	Right 1k Test Result
Field 30	Right 1k Test Mode
Field 31	Right 2k Test Result
Field 32	Right 2k Test Mode
Field 33	Right 3k Test Result
Field 34	Right 3k Test Mode
Field 35	Right 4k Test Result
Field 36	Right 4k Test Mode
Field 37	Right 6k Test Result
Field 38	Right 6k Test Mode
Field 39	Right 8k Test Result

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Field 40	Right 8k Test Mode
Field 41	Answer 1
Field 42	Answer 2
Field 43	Answer 3
Field 44	Answer 4
Field 45	Answer 5
Field 46	Answer 6
Field 47	Answer 7
Field 48	Answer 8
Field 49	Answer 9
Field 50	Answer 10
Field 51	Answer 11
Field 52	Answer 12
Field 53	Answer 13
Field 54	Answer 14
Field 55	Answer 15
Field 56	Answer 16
Field 57	Answer 17
Field 58	Answer 18
Field 59	Answer 19
Field 60	Answer 20
Field 61	Answer 21
Field 62	Answer 22
Field 63	Answer 23
Field 64	Answer 24
Field 65	Answer 25

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Application Functionality

Days Left
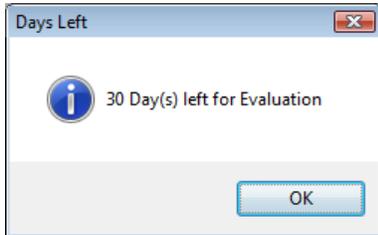
The first screen you will see if you are running the demo version of Get AudioGrams is the Days Left screen. This is letting you know how many days are left in the evaluation period. Simply click Ok to continue. If this is a registered version, you will not see the "Days Left" screen.

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Main Application
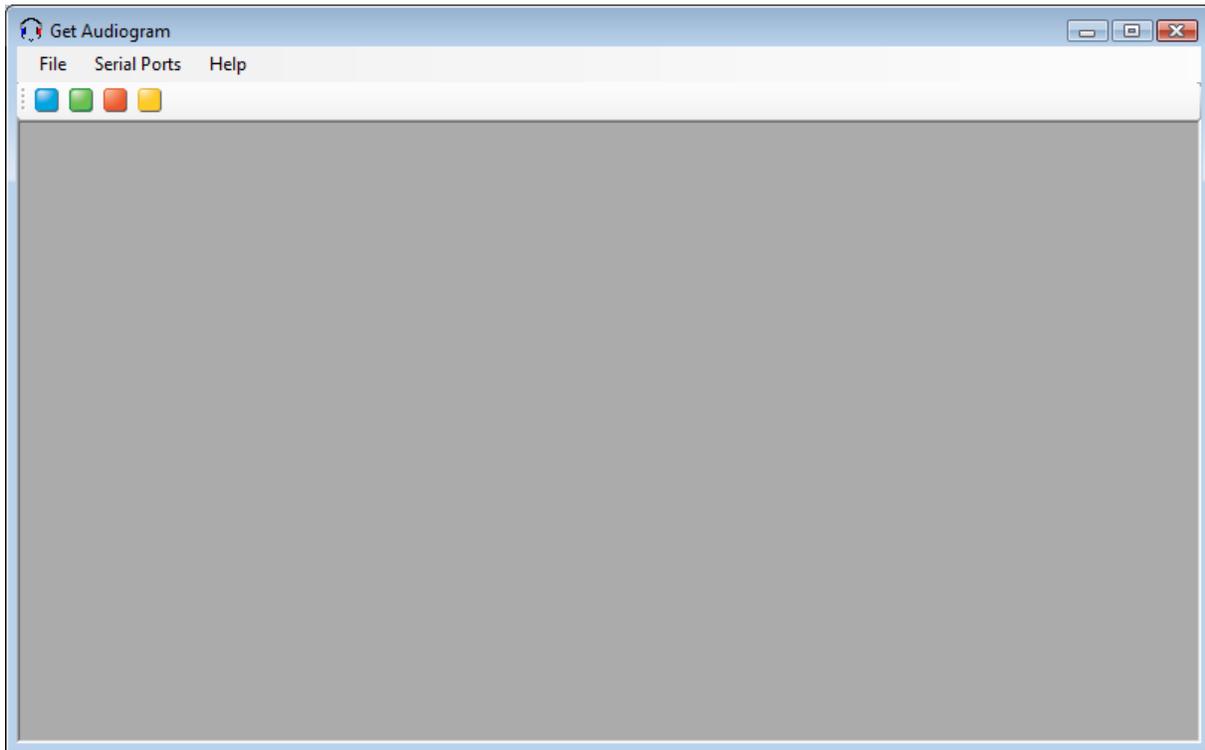
The main screen of Get AudioGrams has 4 elements: File, Serial Ports, Help and the Get Commands buttons.

The File Menu	contains the Setup and exit.
The Serial Ports	lists the available Serial ports to use to communicate with the Audiometer
Help	has the About page and the Command line Arguments
Blue Button:	The Blue button collects all the "Tagged" audiograms in the audiometer. When the collection has completed, another screen will pop up and tell you how many audiograms have been collected.
Green Button	The Green button collects all the "Tagged" baseline audiograms in the audiometer. When the collection has completed, another screen will pop up and tell you how many audiograms have been collected.
Red Button	The Red button collects all the "Tagged" non baseline audiograms in the audiometer. When the collection has completed, another screen will pop up and tell you how many audiograms have been collected.

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Yellow Button   The Yellow button collects all the current audiogram in the audiometer. When the collection has completed, another screen will pop up and tell you how many audiograms have been collected

Setup
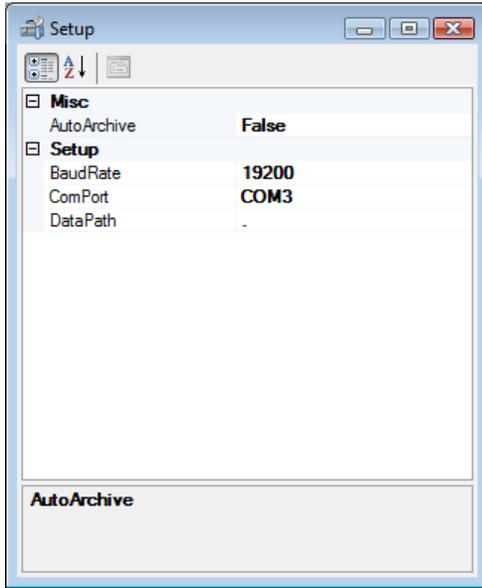
The setup screen has the basic setup elements to configure Get AudioGrams

1. Auto Archive: if this is set to True, then any previous CSV files that were generated are renamed. The file name of the previous audiogram is changed to include the date and time the file was created. Example:AudioGram_20090204_045439.csv. The date format is YYYYMMDD. The time format is HH:mm:SS. YYYY is the 4 digit year, MM is the 2 digit month, DD is the 2 digit Day. HH is the hour(12 hour clock), mm is the minute and SS is the second

2. Baud Rate: There are two valid options for Baud Rate 9600 and 19200

3. Com Port: The serial port the computer is using to communicate to the audiometer

4. Data Path: Where the Audiogram file will be saved. If you change the data path to an invalid path, Get Audiograms will default to "." Which is the directory Get Audiograms is running in, usually c:\program files\get Audiograms

Serial Ports

The Serial Ports Menu option lists the available serial ports on the computer. You will need to know which serial port you are using to communicate with the Audiometer.

By setting this option before you go into Setup will automatically store the Serial Port so you don't have to change it on the Setup screen.

About Screen
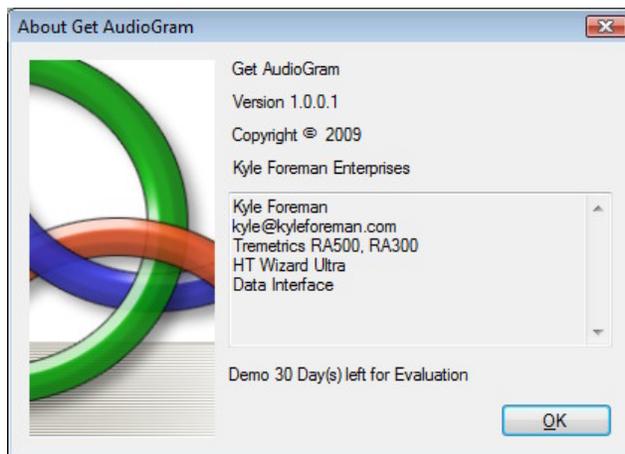
The about screen shows you the version number, what audiometers Get AudioGrams works with. This screen also tells you if you are running the Demo or the registered version.

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Command Line Arguments

/N	No Prompt
/S	Setup
/S##|<Baud>|<Path>	Auto Setup
	## - Com Port
	<Baud> Rate (9600/19200)
	<Path>Data File Path
/A	Auto Archive
/C1	Get All Audiograms
/C2	Get Baseline Audiograms
/C3	Get Non Baseline Audiograms
/C4	Get Current Test Information
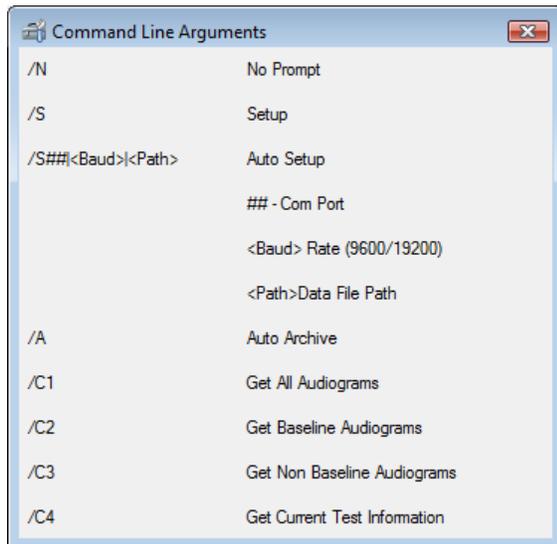
Get Audiograms can run in silent mode. This allows Get Audiograms to be called from another application.

There are 8 options that can be used in conjunction with each other. In order to run in silent mode, you must include /N. This option only collects the data requested with the /C option.

/S will bring up the setup screen. See Above

/S##|<Baud>|<Data File Path> sets the required setup information to successfully collect the requested data.

/A sets the auto archive Flag to True

/C1 collects all the "Tagged" audiograms in the audiometer.

/C2 collects all the "Tagged" baseline audiograms in the audiometer.

/C3 collects all the "Tagged" non baseline audiograms in the audiometer.

/C4 collects only the current audiogram in the audiometer.

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