

INSTRUCTIONS FOR LOADING A PERFORMER BINARY EXPORT FILE INTO IGOR (VERSION 4.0.3.0)

1. Select the menu "Data->Load Waves->Load General Binary File" and the "Load General Binary Data" dialog will pop up.

2. Configure it's settings as described below ...

(Input File Settings)

"Data Type" = 16 bit signed integer

"Bytes to skip at start of file" = 0

"Number of arrays in file" = number_of_channels_exported + 4

Note: The extra 4 arrays are time stamps.

Example: If exporting all 64 channels from Performer this would be set to 68.

"Number of points in array" = 20 * trace_recording_duration_in_milliseconds * num_traces_per_channel

Note: There are twenty points recorded per millisecond.

Example: If recording 100 10 millisecond long traces per channel this would be set to $20*100*10=20000$.

"Byte order" = Low byte first

"Points in file are interleaved" = true (check)

"File ..." = the Performer binary export file (.dat)

(Output File Settings)

"Data Type" = Single float or double float

"Base Name" = default "wave" or whatever name you like

"Overwrite existing waves" = check or not as you wish

3. Click "Do It" to read the data into separate waves. You will get as many waves as you have "Number of arrays in file" in the above settings.

IMPORTANT: The first four waves you read in will not be physiological data - they will be time stamps. If you use the Base Name "wave" for your traces then these will be called "wave0", "wave1", "wave2", and "wave3". Don't accidentally analyze these as data! Also, when you have more than one trace per channel, these will be concatenated together to form a single wave per channel. For example, "wave4" might contain 100 traces gathered from channel 1 of the multi-electrode array.