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1. Export of Patchmaster Data in PULSE 8.6 Format

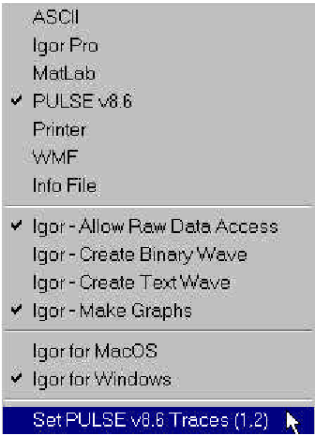
1.1 Introduction

The PATCHMASTER data format has been significantly extended compared to the PULSE data format. Therefore, conversion of PATCHMASTER data into PULSE data format only works for data that have been acquired following the more restrictive conventions of PULSE.

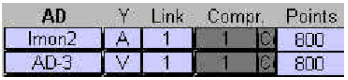
1.2 Export rules

If you plan to export data into PULSE v8.6 format, e.g., in order to analyze the data with PULSEFIT, PULSETOOLS or PULSESIM, please make sure that the acquisition of PATCHMASTER data follows the rules below:

1. **Number of Traces:** The maximal number of traces which can be exported at once can not exceed 2. Which traces are exported as 1st and 2nd Trace can be specified in the dialog "Set-PULSE v8.6 Traces (1,2)" which can be selected from the Export Format drop down menu list.

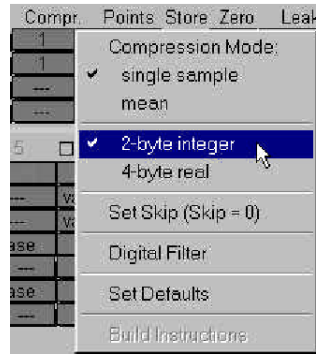


2. **Compression Factor:** The 1st Trace and 2nd Trace must have the same number of data points. Do not choose different data compression factors for the first and second trace in PATCHMASTER.



3. **Common Timing:** The number of segments must be the same for both traces. Do not activate Separate Timing in the segments settings.

4. **Data Format:** The data should be stored as 16-bit integers. In PATCHMASTER you can choose the data format. Therefore, make sure that 2-byte integer is selected in the compression section of the channel settings.



5. **Leak Traces:** If individual leak traces are stored in PATCHMASTER, only the averaged leak trace will be exported together with the data trace. Individual leak traces can be exported separately if selected as trace for export directly in PATCHMASTER.