

## **AOKProcess**

### **Contents**

AOKProcess is supplied as a zip file, aokprocess.zip. When unzipped it should contain:

AOKProcess.exe  
CT\_Pro.dll

and this information file.

### **Description**

AOKProcess converts the output data from AOK4WIN into a form ready for visualisation using Transform or a similar 2D data visualisation program.

### **System requirements**

AOKProcess should run under any Windows 32-bit operating system, from Windows 95 onwards. It has been tested on Windows 95, Windows ME and Windows NT4.

To run, AOKProcess requires that the supplied CT\_Pro.dll be installed in the same directory as the executable. This file contains the runtime files of Perfect Sync Inc's Console Tools Pro (<http://perfectsync.com>) which provides enhanced control over the console window's appearance and function.

The AOKProcess console window is sized for use with screen resolutions of 1024×768 or greater. If you attempt to use it with lower screen resolution you may have to navigate the console window via scroll bars.

### **Operation**

AOKProcess begins by asking for the name of the input file, which is assumed to be a text file created by AOK4WIN. It then asks whether the original the signal file processed by AOK4WIN contained real or complex data. (If the input file was created from a Wave file using WavePrepare.exe, also available from [www.audiosignal.co.uk](http://www.audiosignal.co.uk), the data was real.) AOKProcess then analyses the specified file, reports the number of data rows and columns therein, and specifies the output filename.

It then asks to what value you wish to normalise the maximum value within the data. This is a valuable means of controlling the scaling when it is visualised in Transform. For instance, if you wish the amplitude to be on a log (decibel) scale with the peak value equal to 0dB, the data should be normalised to a maximum value of 1.

You are now asked whether you wish to output linear or logarithmic data. If you choose the log option, AOKProcess asks you to specify the decibel range. Enter this as a positive number or AOKProcess will report an error. All data values in the file which fall below this range will be set to the minimum value. For instance, if you normalise to a maximum data value of 1 and specify a 60dB decibel range then all data values below -60dB will be set to -60dB.

AOKProcess now processes the output data to the specified parameters, writes the output file and reports when the job is completed.

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