

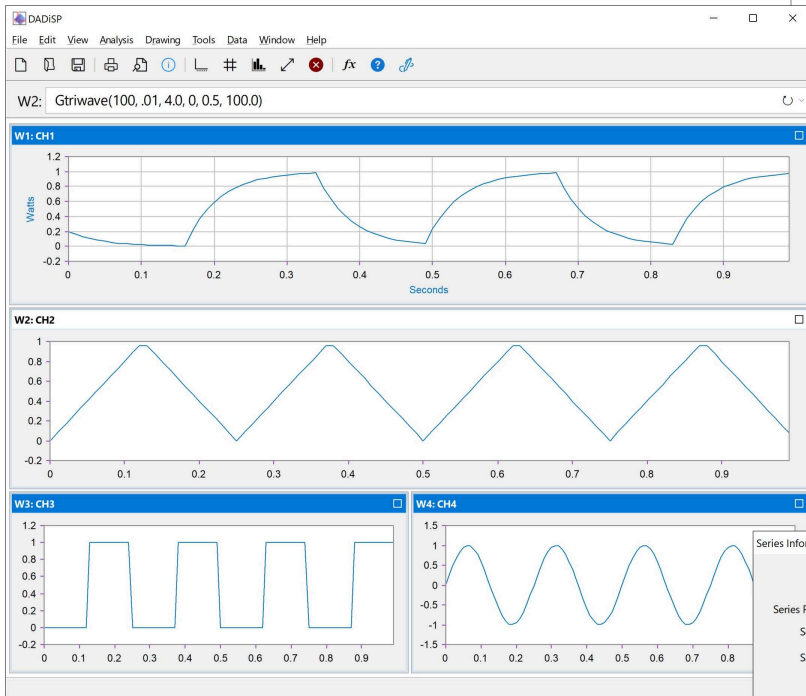
DADiSP / DADiMP

Stand Alone Data Import Module

DADiMP is a separate, standalone software module that extends the DADiSP importing functionality, allowing you to import data files with sophisticated formats. DADiMP imports your ASCII or Binary data files directly into DADiSP's Labbook data structure without actually running the DADiSP program.

KEY FEATURES

- ☞ Stand Alone Operation
 - Small Executable Size
 - Fast and Direct Data File Import
 - Command Line or Header Based Import Parameters
 - Imports Single Channel or Multi Channel Files
 - ASCII and Binary Data Types Supported
 - Imports Mixed Binary Files
 - Import All Channels or a Selected Subset



Unlike DADiSP's standard internal IMPORT feature, DADiMP is run from the operating system command line or from a batch file or shell script. Because DADiMP and DADiSP are completely decoupled, DADiMP can run remotely, on a separate data collection computer. By providing direct, non-interactive access to your data files, DADiMP lets you automate, speed up, and simplify your standard data collection operations.

Stand Alone Import Module

DADiMP is a small, fast running, stand alone executable program that automates and simplifies the task of data file import into a DADiSP Labbook and Dataset. DADiMP can import data files created by your own programs or by commercial database, spreadsheet and word-processing software. Because it is a self contained program, DADiMP can run separately and independently from DADiSP, allowing automated, unattended import jobs.

Data Importing Parameters

Data importing parameters can be specified at run-time, via the DADiMP command line, or through an ASCII Header. In addition, DADiMP can bypass foreign headers and other extraneous information embedded between channels.

Single and Multi-Channel Support

DADiMP can import files with a single channel of data. For example, import a Binary file of 100 points of 2-byte signed integer data sampled at 100 Hertz. DADiMP also understands two basic ways of organizing multiple channels: sequential and interlaced. In sequential files, the data from each channel is a contiguous block -- Channel 1 followed by Channel 2 followed by Channel 3, and so on -- while the channels in interlaced files are interwoven - - sample 1 of Channels 1, 2, and 3 followed by sample 2 of Channels 1, 2, and 3.

Multiple File/Data Types

DADiSP supports a variety of data types, including:

Data Type	Description
ASCII	ASCII data consisting of decimal numbers separated by a space, tab, carriage-return, comma or semicolon
BYTE	unsigned one-byte integer
SBYTE	signed one-byte integer
UINTeger	unsigned two-byte integer
SINteger	signed two-byte integer
LONG	signed four-byte integer
ULONG	unsigned four-byte integer
FLOAT	IEEE four-byte floating point
DOUBLE	IEEE eight-byte double precision floating point

DADiMP can also handle data records with mixed Binary data types.

