

## Technical Note: Importing/Exporting Between Win600 and Excel

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The most efficient way to put data into Excel is to use the .ASC format when saving files, and then to use an AUTOSAVE function on the DISK menu. This produces ONE file for all of the active channels or traces. When importing this file into EXCEL, each channel or trace fills a column in the spreadsheet. A less efficient method is simply to copy and paste the data between cursors. (see the COPY selection on the main menu under the WIN600 name –upper right)

### OPENING WIN600 FILES IN EXCEL

- 1) Select DISK / WRITE FILE
- 2) Select FILE FORMAT, choose .ASC, then EXIT.
- 3) AUTOSAVE CHANNELS - all active channels send their entire sweep length to disk, storing them in ONE file with the .COL extension.
- 4) AUTOSAVE TRACES - all visible displayed traces are sent to disk and stored in ONE file with a .COL extension.

NOTE on AUTOSAVE FUNCTIONS: There is a selection on the SYSTEM menu for NEW AUTOSAVE. This allows for filenames over 8 characters and, for Autosaving traces, saves all traces which are ON, from all of the 8 pages. (if NEW AUTOSAVE is turned OFF, only the traces on the presently displayed page are saved)

The result is a .COL file in ASCII. This file has an extensive header to identify the data, the time it was saved on disk, channel names, comments, etc. The first column is time. This time corresponds to the time at each data point on the first column of data. If the other columns of data had different time parameters, these are lost. In this case, the user should bring each file in as a separate ASCII file.

IMPORTANT NOTE: If the traces or channels have differing lengths, the data is truncated to the length of the shortest trace or channel. Please save only auto-save data with the same file lengths.

- 5) Start EXCEL
- 6) Select OPEN, and select files of type: ALL files (\*.\*)
- 7) Find the .COL file you saved previously with the Autosave function
- 8) In the TEXT IMPORT WIZARD, select

- a. Delimited, start import at row 1, File origin: Windows (ANSI)
  - b. TAB and SPACE delimiters (check SPACE as well as TAB)
  - c. Column data format: General, then FINISH
- 9) The data appears with header information, the time in the first column and traces or channels in subsequent columns.

### OPENING EXCEL FILES IN WIN600

Be sure that you are running Win600 version 4.05.37 or higher. You may download the software from the website if necessary ([www.hi-techniques.com/downloads](http://www.hi-techniques.com/downloads)). Now do the following:

1. In EXCEL select all numerical cells in the time and first data columns, i.e. everything below the header/title cells. The time axis is the first column. The voltage in the second column.
  - a. Format => Cells
  - b. Turn Off '1000 Separator (,)'
  - c. Change decimal places to 3
  - d. Copy selection (the two columns) to clipboard.
2. Open WORDPAD. This is a Microsoft Accessory program which comes with Microsoft Windows. Find it from the START / PROGRAMS / ACCESSORIES / WordPad
  - a. Paste Special
  - b. UNFORMATTED TEXT
  - c. Save As
  - d. Filename: Myfile (any filename you want). The extension on the saved file is .TXT
  - e. Type: Text Document MSDOS Format
  - f. Dir: C:\HT600 (whatever directory you please)
3. From the Windows MyComputer
  - a. Rename Myfile.txt to Myfile.ASC
4. Run the Win600
5. Read Myfile.ASC into a trace and verify against your original Excel file.