

LONGVIEW

INTRODUCTION

LONGVIEW turns a VisiCalc® spreadsheet on its side so that DOTWRITER can print it down the paper instead of across. It gives you the effect of a 400-character wide printer (or even longer, if your spreadsheet is that big).

LONGVIEW is an "add-on" to our Dotwriter system. It includes programs and three character sizes, and runs on 48K-64K TRS-80 Models I, III, and 4/4P (native M4 mode). It takes just three easy steps to use it:

1. Tell VisiCalc to print your spreadsheet to disk: /PDfilename
2. Run LONGVIEW to rotate the disk file;
3. Run DOTWRITER to print the rotated file.

EQUIPMENT AND SOFTWARE REQUIREMENTS

To prepare input to LONGVIEW, you will need a program that can write a "print image" of a spreadsheet to disk. VisiCalc does this, and is the spreadsheet for which LONGVIEW was written. You will also need a program that can print "bit-image" graphics, since the rotated letters and numbers must be printed sideways. Our DOTWRITER program does this, and the LONGVIEW distribution disk contains pre-defined files that set up DOTWRITER for this purpose.

LONGVIEW DOES NOT INCLUDE DOTWRITER OR VISICALC. IT IS A UTILITY PROGRAM THAT PREPARES THE OUTPUT OF VISICALC FOR INPUT TO DOTWRITER. YOU MUST PURCHASE VISICALC AND DOTWRITER SEPARATELY, IF YOU DO NOT ALREADY HAVE THEM. RADIO SHACK SELLS VISICALC, AND PROSOFT SELLS DOTWRITER.

You also will need a TRS-80 Model I, III, 4 or 4P, with 48K or 64K of memory, two disk drives, a DOS (not CP/M), and a printer. DOTWRITER, not LONGVIEW, does the printing, and it only works with the printers listed below; other printers probably will NOT work, even if they claim to be compatible with one of these. If your printer is not on this list, the entire risk of making it work with DOTWRITER lies with you, not with us.

EPSON

MX-80, Grafrax-80
MX-80, Grafrax-plus
MX-100, Grafrax
MX-100, Grafrax-plus
RX-80, RX-100
FX-80, FX-100
LQ-1500

C. ITOH

8510A, 8510S, 8510SP
1550, 1550S, 1550SP
8600B

OKIDATA MICROLINE

ML 84 Stage II only
ML 92, 93; no Plug-n-Play

Radio Shack

DMP 105, 110, 120, 200,
400, 420, 430, 500, 520
CGP-220

GEMINI

10X, 15X (not 10 or 15)

MAXIMUM SPREADSHEET SIZES

When you print a spreadsheet with VisiCalc, there are two physical limitations: the available memory on your computer limits the number of cells you can use, and the width of your paper limits the number of columns you can print. At 16 characters per inch (cpi), you can fit 132 characters on 8 inch paper, and perhaps 230 on wide paper.

When you rotate a spreadsheet with LONGVIEW, you probably will not run into memory limitations unless you have developed a very large spreadsheet with the 128K version of Model 4 VisiCalc. If this applies to you, please read the next paragraph.

LONGVIEW's capacity on the Model 4 is about 50,000 characters or 195 sectors of disk space. To find the size of your spreadsheet, run VisiCalc, tell it to print the entire spreadsheet to disk: "/PDfilename", and then display the disk directory to see if the print-image file is within our 195-sector limit. (Our Model I/III limit is about 40,000 characters or 156 sectors, but VisiCalc doesn't have enough memory to create a spreadsheet of that size.)

The size of a rotated spreadsheet is limited by the number of rows that fit across the paper. This depends on the typeface, the printer, and the paper width. We have included three typeface sizes: the smallest gives you the greatest printing capacity but is harder to read. Some printers have more graphics dots per inch than others and therefore offer the highest "row" capacity. Finally, more rows fit across 13 inch paper than 8 inch paper.

The chart below summarizes the maximum number of rows you can print with a rotated spreadsheet, using our recommended settings. If one of the supported printers is not on the list, please see one with the same number of dots/inch.

| Printer | Dots/ inch | Inches | Dots | <--- Typeface (dot height) ---> | | |
|----------|---------------|--------|------|---------------------------------|----------|----------|
| | | | | TALL | NORM | TINY |
| CI 1550 | 160 | 13.6 | 2176 | 120 max. | 136 max. | 181 max. |
| CI 1550 | 136 | 13.6 | 1849 | 102 rows | 115 rows | 154 rows |
| CI 8510 | 160 | 8.0 | 1280 | 71 | 80 | 106 |
| CI 8510 | 136 | 8.0 | 1088 | 60 | 68 | 90 |
| MX-100 | 120 | 13.6 | 1560 | 86 | 97 | 130 |
| MX-80 | 120 | 8.0 | 960 | 53 | 60 | 80 |
| DMP 400 | 100 | 13.6 | 1360 | 75 | 85 | 113 |
| DMP 200 | 100 | 8.0 | 800 | 44 | 50 | 66 |
| CGP 220 | 80 | 7.5 | 600 | 33 | 37 | 50 |
| ML 93 | 72 | 13.6 | 979 | 54 | 61 | 81 |
| ML 92 | 72 | 8.0 | 576 | 32 | 36 | 48 |
| DMP 2100 | 60 | 13.6 | 816 | 45 | 51 | 68 |

"Dots/inch" shows how closely each printer spaces graphics dots on a line.

"Inches" is maximum paper width.

Dots is the maximum possible number of dots per line.

"TALL", "NORM", and "TINY" refer to the three typefaces we have included.

If you already own DOTWRITER, adding LONGVIEW is as easy as adding another font disk, one that includes the file rotation program and pre-defined setups. However, if this will be your first experience with DOTWRITER, you are in for a wonderful treat! It can do many other things besides rotated spreadsheets, and you can take advantage of its ability to print signs, posters, headings, and even letters and books.

PRICE AND ORDERING INFORMATION

| | |
|--|---------|
| LONGVIEW (TRS-80 I, III, 4, and 4P) | \$29.95 |
| does not include Dotwriter or VisiCalc | |
| DOTWRITER (TRS-80 I/III or 4/4P) | 99.95 |
| specify computer, model, and printer | |
| Shipping (U.S. and Canada) | 3.00 |
| Please add sales tax in California | |

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| EXPENSE | JAN | FEB | MARCH |
|-----------|---------|---------|---------|
| | | | |
| Personnel | \$500 | \$850 | \$100 |
| Office | \$800 | \$300 | \$300 |
| Telephone | \$600 | \$600 | \$100 |
| Utilities | \$50 | \$120 | \$45 |
| Supplies | \$50 | \$25 | \$200 |
| Printing | \$800 | \$1350 | \$500 |
| Bad Debts | \$925 | \$820 | \$450 |
| MO. TOTAL | \$5475 | \$17040 | \$2455 |
| YTD | \$15475 | \$32515 | \$54970 |