

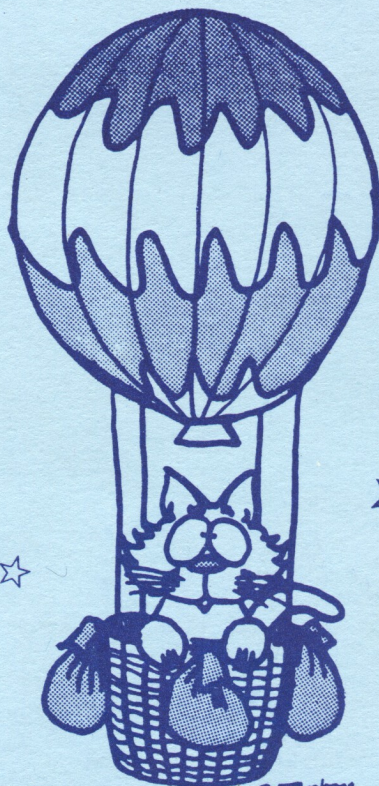
The Complete Atari Program Lister and
Graphics Dumper

MEGAFONT II+

© 1985

By Randy Dellinger
and Richard Rognlie

NOW
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ATARI 48K

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MegaFont II+

The Complete Lister and Graphics Dumper
By Randy Dellinger and Richard Rognlie
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Congratulations on your purchase of MegaFont II+. MegaFont II+ is probably one of the most useful programs you will own. Now you can print text files on your printer using redefined character sets, list out programs with special or inverse characters and last but not least, dump out Graphics 7+ and 8 screens (including KoalaPad and Atari Touch Tablet), PAGE DESIGNER layouts and TYPESETTER icons.

This version of MegaFont should perhaps be called MegaFont III because we have modified it since the original release of MegaFont II+. MegaFont (this version) now uses standard ATARI character sets. These are character sets that can be modified with a character set editor. Now all of the character sets from our other "Printware" packages will work with MegaFont and vice versa.

One of the most significant features of MegaFont II+ is the FAST PRINT option. Randy wrote this feature to speed up the time it takes to list out programs. The printer's standard font is used unless a control or graphics character is encountered. The printer will then slow down to print the special characters and then resume normal speed for normal characters.

If you have a modified Prowriter 8510AP (with the extra memory chip), an Epson FX-80 or a Panasonic KX-P1092, Richard has written some code to allow you to download a font into your printer. When using a downloaded font, the FX-80 and Panasonic will not let a font have

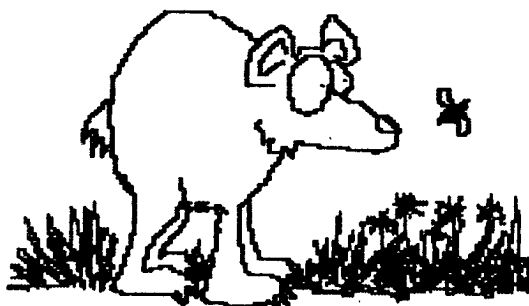
two adjacent pins fire, therefore the downloaded fonts will not look exactly like the fonts when used with the Special Lister option.

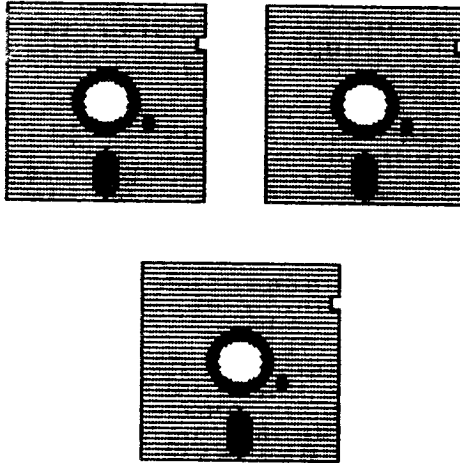
The Graphics dumper is now compatible with ICONS created with Rubber Stamp or Typesetter. MegaFont can now dump KoalaPad and Atari Artist (Micro-Illustrator) Graphics. MegaFont will also allow you to printout Page Designer pages in multiple sizes.

For quarter page and smaller dumps, the left margin can be adjusted to allow you to use your pictures as letterheads or logos.

If you like this program (and we know you will), we strongly encourage you to look at the other creatilities in our "Printware" series. RUBBER STAMP, a sophisticated graphics 8 development tool, is the perfect second program to MegaFont.

NOTE: XLENT Software has a very advanced version of MegaFont for the IBM PC and most MS-DOS compatibles. MegaFont PC is \$39.95 and is available from XLENT Software. MegaFont will also be released on the 520ST.





Boot Procedure

Turn off everything. Remove any cartridges from your computer. Now turn on the interface, (if you have one), disk drive, and printer. If you have an XL or XE, hold down the OPTION button while booting.

The program will begin by asking you what type of printer you are using. Answer the prompt to select your printer. If you do not see your printer on the list, try the Epson option. Most new printers use Epson escape codes.

If the program does not run, double check everything and try again.

Main Menu

The main menu provides you with five options.

OPTION 1 lets you print a file using the special lister. You may list out most Atari (TM) DOS compatible files such as Word Processing or BASIC programs. Select this option to use the Fast Print feature and download a character set to selected printers. OPTION 2 dumps a graphics 7+, 8 or Page Designer screen and Typesetter icons. (Graphics 7+ and 8 screens can be created with Micro Painter, Graphics Master, KoalaPad, ATARI Artist, Rubber Stamp or custom programs). This option is ideal for dumping screens created by Digital Vision's COMPUTEREYES, an inexpensive digitizer for the Atari.

OPTION 3 is a mini-DOS .

OPTION 4 exits to the printer selection screen to let you change to a different printer.

OPTION 5 will reboot the computer.

HINTS

If at any time you want to exit a part of MegaFont 11+ or have problems, press ESC and you will be back at the main menu.

When you are asked for a filename, you can get a directory of the disk by pressing RETURN. MegaFont 11+ will go to the mini-DOS menu where you can select 'D' for directory.

NOTE: There are programs available in the public domain for altering the Atari character set. A good one is "Create-A-Font" by Vince

Erceg which was published in A.N.A.L.O.G., February 1984. Several commercial programs are also available.

OPTION 1: SPECIAL FILE LISTER

A menu displaying the features for listing files and their default values will appear. To change a value, type in the menu number.

0 - BLANK SCREEN: This option will turn off the screen to speed up the process of converting the character set to a printer compatible font. Blanking the screen will also make printing faster.

1 - FONT: This is the character set you would like to use from the ones you have created or one that is already on the MegaFont disk. It takes a few seconds to convert the font for your printer.

2 - PRINT SIZE: This is the size of the character you want to use. This controls the number of characters that are printed per inch.

3 - LINE SPACING: This is the number of blank lines between printed lines. For example, line spacing of 1 is like single-spacing on a typewriter.

4 - PAGINATION: This controls whether printing is continuous or formatted for single sheets. Choosing 'NO' means continuous printing.

5 - LEFT MARGIN: This selection lets you have a wider left margin.

6 - RIGHT MARGIN: This allows the user to

set the right margin. This value will automatically change depending on the print size used.

7 - **BOLDFACE:** This controls whether the printer double-strikes each character when printing. You may want to use boldface if your ribbon is light or for emphasis. Some printers will not print boldface graphics.

When you are satisfied with the options, type "P" to print, "D" to download or "F" for FAST PRINT.

"P" - You will now be prompted for the name of the file you wish to print. This is the file where you have stored your program listing or text.

Some of the new low cost printers have been designed for light duty. MegaFont II+ allows you to pause the printer and restart it to prevent the print head from overheating. While MegaFont is printing, use "p" to pause and "S" to restart the printing. Press "ESC" to abort the printing.

"D" - The font will be loaded to your printer buffer. This works on Prowriter 8510AP with Chip or 8510BP (Note that recently C. Itoh has been going through more gyrations than we can keep up with. Our calls to C. Itoh have not been fruitful and we have been told that there will be no more of the 8510Ap and BP printers), Epson FX-80 or Panasonic KX-P1092 printers only. When the font is downloaded, you can print a test to see what the fonts looks like. When a font is downloaded, it will become the "standard" printer character set until you turn it off.

"F" - Fast Print will print your program files with the normal printer character set until it

encounters special or control characters. This increases the speed of listings.

NOTE: To print your word processing files, after creating your letter, PRINT it to the disk. Then run MegaFont's Special Lister option using the file you have printed to the disk. Not all word processors have the capability to print to the disk.

ATARIWRITER: Delete all of the control characters at the top of the file. Insert carriage returns every 59 characters or less on EPSON or 64 characters with a Prowriter or NEC. Save the file to disk. If you use a feature of Atariwriter that creates a special character, it will be printed by MegaFont][+. **NOTE:** A very useful public domain program is available from most user's groups called AWDISK. This public domain program will allow you to print Atariwriter files to the disk. This is also useful if you want to move Atariwriter files to other computer systems.

BANK STREET WRITER: Bank Street Writer files are not compatible with MegaFont][+. Bank Street Writer files may be printed using an uploaded font or the file can be loaded into Text Wizard or Atariwriter and edited to be compatible with MegaFont][+. It is also possible to create a font that will work with Bank Street Writer. You will need to create a font that turns the block character to a blank.

LETTER PERFECT: Incompatible because files are not ATARI DOS compatible. LJK has a utility which will make LETTER PERFECT files Atari DOS compatible. If you have a Prowriter 8510AP, an Epson FX-80 or the Panasonic KX-P1092, use MegaFont to download the fonts directly to your printer and then run Letter

Perfect.

NOTE: If you do not have a word processor that allows you to print to your disk, SpeedScript 3.0 is good. Many user groups have copies of this program. You can also contact Compute! Publications, Inc. at 1-800-334-0868.

The XLENT Staff has just found a word processor good enough to put our name on. It is a powerful, icon oriented program that will also let you combine graphics and text. It will also load AtariWriter files. The First XLENT Word Processor is only \$29.95.

NOTE: To get a BASIC program to list with all inverse and graphics characters, the program must be LISTed (NOT Saved) to the disk prior to using MegaFont 11+. List the program to your disk using LIST "D:FILENAME.EXT" from BASIC.

KEYBOARD FEATURE: MegaFont 11+ allows you to type directly to your printer. Type "E:" when it asks for the filename. You may now type directly to your printer. Type "CTRL" and "3" when you're done. Using this feature, pressing RETURN sends the lines to the printer. You can design a screen first and then send it to the printer. To do this, layout your screen using the arrow keys to move from line to line. When you are satisfied, place the cursor at the top of the screen, then repeatedly hit RETURN to print each line.

OPTION 2: GRAPHICS 7+/8 DUMPER

This option allows you to dump Graphics 7+, 8 and Page Designer screens and Typesetter icons to the printer. A menu displaying the options for dumping your picture file with default values will appear. To change a value, type in the menu number.

1 - Normal or Inverse: Inverse causes each point on the screen to reverse color, i.e. light becomes dark and vice versa. If you are dumping COMPUTEREYES files, you usually want inverse.

2 - Print Size: The full page picture prints sideways and is slightly larger than an 8-1/2 x 11 page. The Prowriter/NEC version has 3 picture sizes, the other printers 4 sizes. The left margin can be adjusted for eighth and quarter page size dumps.

3 - Left Margin: Adjusts the left margin on eighth and quarter page size pictures which is useful for creating letterheads.

4 - Boldface Print: (Not all printers have this capability). To get a darker picture, select 'Y'.

5 - Picture Type: This option will toggle through the various selections. The default is for graphics 8 or Micro Illustrator compatible files. You can also select Page Designer Top, Page Designer Bottom, Page Designer Full or Typesetter ICONS.

NOTE: If you are getting gaps in your picture (Epson printers and compatibles), you can adjust the line spacing using the 'C' option. We have found 18 & 12 to be good numbers.

When you're satisfied with the options, select 'P' to print. There are some pictures on the MegaFont II+ disk you may want to try. Make sure your printer is on before loading the picture. Type in the filename and then RETURN. The picture will appear on the screen and then begin to print.



OPTION 3: MINI-DOS

Selecting Mini-DOS will bring up a menu with several DOS functions.

OPTION 4: EXIT TO PRINTER MENU

This will put you back to the initial MegaFont menu. You can then select a new printer. Exiting to this menu will reset the Special Lister font to ATARI.

**THERE ARE MANY FONTS INCLUDED
ON THE MEGAFONT II+ DISK**

**TO FIND OUT WHAT IS ON THE DISK,
select the Mini-DOS option**

**All of the font files have
an extension of .PNT**

PLUS

**you can use any font created
with a Character Set Editor.**

XLENT SOFTWARE REPLACEMENT POLICY

The original diskette is guaranteed against defects due to faulty materials or workmanship for ninety (90) days from the date of purchase. If you are having problems, please return the diskette to us and we will replace it. Please include the date and place of purchase.

To obtain a backup copy, please send \$5.00 and the serial number of your program (located on the disk label) to us. The \$5.00 is to cover the cost of media and shipping. For those outside the U.S. and Canada, please include additional funds to cover postage.

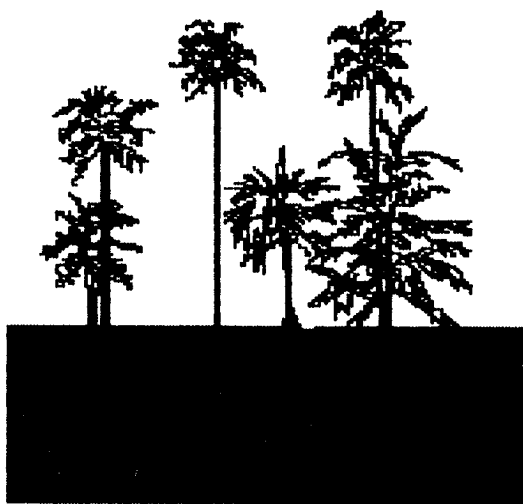
Problems Printing?: If you do have problems, and we hope you don't, please send us a copy of your problem and an explanation of when it occurred. Please include information about your system along with the version and serial number of your program disk.

Acknowledgements: Many thanks to Jennifer Brabson, Mike and Linda Barnes.

We welcome any written comments or suggestions that will help us provide you with the software you want.

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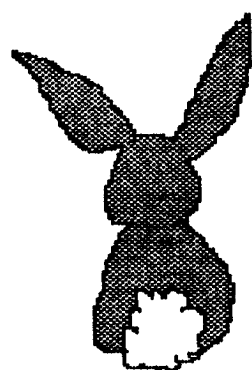


APPENDIX A

If you've written a BASIC program that creates a graphics 8 screen, the following code will let you save it to a disk file. This file can then be printed with MegaFont II's Graphics Dumper.

```
10 GRAPHICS 24
20 REM CREATE SCREEN
30 REM THIS IS YOUR BASIC PROGRAM
.
.
.
8990 REM INSERT SAVE ROUTINE WHEN YOU WANT TO SAVE THE SCREEN
8995 REM THIS IS PROBABLY WHERE YOU HAVE A CONTINUOUS LOOP TO
HOLD THE SCREEN FOR VIEWING
9000 GOSUB 32000
9010 END
```

```
31990 REM SCREEN SAVE ROUTINE
32000 OPEN #1,8,0,"D:FILENAME.EXT"
32010 POKE 850,11
32020 POKE 852,PEEK(88):POKE 853,PEEK(89)
32030 POKE 856,0:POKE 857,30
32040 X=USR(ADR("hhhhhh"),16)
32050 CLOSE #1:RETURN
```





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