SuperCharged:HP LASERJET PLUS / SERIES II DRIVER PACK

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DOUBLE – SIDED DISK

Migraph is pleased to present the SuperCharged HP LaserJet Plus laser driver set. These instructions are based on the assumption that you have either a hard disk drive or a double sided drive for your output disk which contains your GEMSYS folder. Those of you who do not have the SuperCharged version of easy-Draw make sure you read the additional notes!

We have included the latest version of OUTPRINT on this disk for you. Please replace your current version with this one. We know you'll enjoy using this driver to get the professional results you demand for all your projects.

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I. FILES CONTAINED ON THIS DISK:
* PRINTER DRIVERS
* 150/300 DPI PRINTER FONTS (Swiss, Dutch & Typewriter)
* OUTPRINT & ADDITIONAL FILES

* PRINTER DRIVERS

LJET150.SYS:

A 150dpi driver. This driver is meant to be used for check print. The advantage of this driver is that it only takes approx. a quarter of the time that the 300dpi driver would take. We recommend that you use this driver as the default driver (See Tips & Hints), and then switch to the 300dpi driver for your final print.

LJET300.SYS:

A 300dpi driver for the HP LaserJet Plus and compatables.
IMPORTANT NOTE: Your Laserjet Plus or Series II MUST HAVE at least 1mb of memory installed in order to utilize this driver in its default mode. A Legal size page requires 1.5mb of ram in your laser. For those with only 512K in their printer, the HP300.SYS file may be modified further to allow printing at 300dpi in three slices (By putting a ^ as the first character in the first line of the device comment field). When the driver uses slices, only letter size paper is allowed.

* 150/300 DPI PRINTER FONTS:
These are printer fonts which have been tuned specifically for your Laserjet Plus compatible laser printer at 150 and 300 dots per inch over a full page.

Note: In order to use all three 300dpi fonts, your ST must have at least 1mb of ram!

150dpi Fonts Included:

Swiss Fonts	Dutch Fonts	Typewriter
"ATSS07DJ.FNT"	"ATTR10DJ.FNT"	"ATTP10DJ.FNT"
"ATSS10DJ.FNT"	"ATTR12DJ.FNT"	
"ATSS12DJ.FNT"	"ATTR18DJ.FNT"	
"ATSS18DJ.FNT"	"ATTR24DJ.FNT"	
"ATSS24DJ.FNT"		

300dpi Fonts Included:

Swiss Fonts	Dutch Fonts	Typewriter
"HPLHSS07.FNT"	"ATTR10LS.FNT"	"ATTP10LS.FNT"
"ATSS10LS.FNT"	"ATTR12LS.FNT"	
"ATSS12LS.FNT"	"ATTR18LS.FNT"	
"ATSS18LS.FNT"	"ATTR24LS.FNT"	
"ATSS24LS.FNT"		

Remember: In order to use the Dutch and Typewriter Laser fonts listed, you must be running an application which provides you with the screen versions of these fonts. (Such as the SuperCharged version of Easy-Draw!

* ADDITIONAL FILES:

ASSIGN.SYS
This file contains the additional names of the new printer drivers and fonts so your computer will automatically load them when you print out your drawings/pages on your laser printer.

SET19200.PRG
This program is to be used ONLY when you have your LaserJet hooked up to your ST with a RS232 cable. The purpose of this program is to increase the speed at which the ST sends information to the laser printer. When running the printer in serial mode, you should use this program to set the ST's baud rate to 19200bps and set the appropriate dip switches on older Laserjets or set the baud with the front panel on the Series II. Note: Some ST's seem to be unreliable when running the serial port at speeds greater than 9600. (The new CONTROL panel .ACC from ATARI also enables you to set the baud rate to 19200.)

SCREENDUMP UTILITIES
To install any of these screen dump utilities, just double-click on the program name. If you would like the version that you use most often automatically installed when you turn on your system, simply place a copy of that utility program into your AUTO folder.

HPCOLDMP.PRG: For use with a color monitor. This driver prints a rotated copy of the screen at 75dpi on the LaserJet. The size of this printout is almost the same size as the display.

HPMONDMP.PRG: For use with a monochrome monitor. This driver prints a copy of the screen at 150 dpi horizontally on the Laser. (A 2nd monochrome version "HPMN2DMP" is also included which prints out a larger version like the color version.) Remember that if you have one monochrome utility installed and would like to switch to the other, all you need to do is double-click on the other driver name.

II INSTALLATION INSTRUCTIONS

A. Modifying ASSIGN.SYS

To get started, you should replace the ASSIGN.SYS on your boot disk with the one provided on this disk. Hard Drive Owners: Remember it is important that your path statement in the new ASSIGN.SYS should be changed so it matches the one you are currently using. All text editing on "ASSIGN.SYS" must be done in non word processing mode in whatever word processor you use.

B. Loading New Fonts and Drivers:

Copy all of the new laser fonts contained on these disks (xxxxxxxx.FNT) into the GEMSYS folder which has your current printer fonts. NOTE: The 150dpi fonts and printer driver are stored in a folder on disk #1 of 2.

NOTE: Those who don't own the SuperCharged version of Easy-Draw should only load the SWISS fonts from this disk, since you do not have the screen fonts for Dutch and Typewriter!

Then copy the new drivers (LJET300.SYS & LJET150.SYS) into the same GEMSYS folder. Remember, if you are not going to use the 9-pin drivers (FX80.SYS and FX80WIDE.SYS), and fonts (EPSH****.FNT), you can delete them now.

C. Replacing Output/Outprint:

You MUST use the version of the OUTPRINT program provided with these drivers if you desire fast multiple copies to be produced! Otherwise, it will take just as long to produce each copy of a page as it does to produce the original. The two files DEFAULT.OPT and DEFAULT.REM should also be copied to the same disk which you store OUTPRINT.

III MISC. TIPS & HINTS

ABORT PRINTOUT
Using this new driver and OUTPRINT, it is possible to stop the current print-out on the HP Laser by pressing (Control and X) at the same time during processing. If you have several pages on your output list, your list will be interupted and the current page will be ejected out of the printer.

150dpi DRAFT vrs. 300dpi LASER FINAL COPY
By changing your default HP LaserJet driver from 300dpi to 150dpi, you will save a lot of time during all the revisions of your printed material. A 300dpi full page on the laser will take approx. 10 minutes depending on the complexity of the page, where the 150dpi driver will only take 1/3 of the time. Of course your final copy should be printed using the 300dpi driver!

You can switch between the the various drivers, by using the device info box in OUTPRINT. Once in the device dialog box, you would change the device number listed in the top left, and then click on "I" for install. Once the new driver name appears on the top line, you could click on "SAVE" to use this as your new default, or simply click on "OK" to use it this once. If you would like to see what printers and fonts are listed in your ASSIGN.SYS, you can print out that file and see the device numbers and fonts. (ie: 21=9 Pin, 23=LQ800, 27=300dpi HP laser, 29= Atari Laser)

INTERFACE: (PARALLEL/SERIAL)
The Laserjet Series II comes with both a parallel and serial interface. Printing will be faster using the parallel interface. The benefit to using serial is that you can keep another printer hooked up to the parallel port and switch between them using the accessory provided by Atari that accompanies the control panel accessory. You must, in fact, use that accessory if you wish to use the printer in serial mode. Remember to follow the instructions for your particular laserjet on using the correct interface. Series II owners may easily switch between serial and parallel with the front panel.

LANDSCAPE PATTERNS:
This new version of OUTPRINT has a new feature which enables you to have the GEM fill patterns rotated when your page must be rotated in order to fit on the printer. (As in printing out an 8.5 x 11" landscape page.) To enable pattern rotation, select the option in the Device/Options dialog box.

It is not recommended that you create OUTPRINT lists that contain drawings of both landscape and portrait pages with the pattern options being changed between printing out the two lists. NOTE: the last three fill patterns in the Easy-Draw pattern dialog box (left-tilted lines \\\\, and the user defined pattern) do NOT change when the landscape patterns are chosen.

LETTER/LEGAL SIZE PAPER:
When switching between letter and legal size paper, you need to replace either the in-paper tray with a tray that handles the correct size, OR leave the current tray installed and set the printer to manual feed and feed paper in the manual feed slot as requested. 11x17 drawings from Easy-Draw will often require 4 sheets to be fed.

MULTIPLE COPIES: (IMPORTANT NOTE!)
Series II owners should NOT set the number of multiple copies desired with the front panel as it will be taken care of by the driver.

NEW TONER CARTRIDGES:
When a new toner cartridge has been installed in your printer, the darker of the shaded Easy-Draw fill patterns may appear black. Once the cartridge has been used awhile, things should be OK.

OUTPRINT.PRG
Don't forget to replace the OUTPUT/OUTPRINT program on your drawing disk or hard disk with the version of OUTPRINT provided here. This version supercedes any prior version. **For those Easy-Draw owners who's version number is less then 2.2, who would like to run Outprint from within Easy-Draw as they did Output, should rename "OUTPRINT.PRG" to "OUTPUT.PRG" so Easy-Draw can find it on your disk! Otherwise remember you can still run OUTPRINT.PRG seperatly.**

PREVIEWING:
Remember that you can run OUTPRINT to the screen to see what the page looks like if your not sure what the file looks like.

PRINTING 300DPI IN SLICES:
If you select the slice option (by placing a "^" in the top left of the first line of the default comment field), you should also make sure you have your printer alignment set to top and left in the Printer options dialog box of OUTPUT. Top and left alignment is generally the best way to go for any driver or desired page size. Those users who only use 8x10 page size and letter-size paper might in some cases prefer middle and center alignment.

REBOOTING:
The semi-colon in the first column of any line in the file ASSIGN.SYS disables that font point size. Remember, any time you modify ASSIGN.SYS it is neccessary to reboot your system for any changes to take effect.

REGISTER YOUR DRIVER:
Remember to REGISTER your driver so we can notify you as we make changes/upgrades to it!

MEMORY UPGRADES:
ST owners should think seriously about getting a memory upgrade. You'll have more working space in Easy-Draw and have enough memory to take advantage of additional font packs and accesories.

Drawings could be output faster when you have more memory. One 300dpi printer font can take up 250K or more, so you can see that even 1040ST owners are going to find themselves short of memory in the near future.

At the time of this printing, the price of 1MB ram chips still have not stabilized. Once the price of these chips are again affordable, Migraph will re-release our ram expansion board which will enable you to expand to 2.5 or 4mb of ram in your ST. Call for Availability!

Enjoy your HP+ drivers. We know you'll enjoy the high quality output. Should you have any technical questions, please call us at (206) 838-4677 between 10am to 4pm PST. Thanks.