
The Paragon Report



PARAGON COMPUTER'S free Publication
with Information News and Views
for ALL ATARI users
June 1992

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Care and feeding of the SLM 804 Laser Printer

by Lance Barrett

The SLM 804 Laser Printer is no longer operated only by the professional user, but is also used by the dedicated Atari enthusiast to perform many and various tasks. The professional user is generally prepared to maintain their investment and will spend the money required to keep it operating efficiently, the amateur on the other hand normally does not obtain assistance until a major problem develops. The following information will not avoid all problems that will require a service centre, but should allow the diagnosis and correction of some common problems.

PAPER :

Unused paper should be stored away from moisture and in its original sealed packing.

Using damp paper will generally give a light and patchy image, this can be easily tested by printing a document and immediately printing on the same sheet of paper, but on the reverse side - if the paper is damp, the second print will be of better quality than the first print.

Damp paper can also cause a paper jamming problem, the paper usually misfeeds from the paper tray.

Damp paper can also cause creasing of the paper, especially when printing both sides.

Paper should be fanned at both ends before inserting into the paper cassette.

TONER :

There are two types of toner used by the SLM 804, the first is INITIAL Toner, this type is only used with a completely empty hopper - ie when the printer is first used from new, or when the hopper has been cleaned out. The second type is SUPPLY toner which is the toner used when the add toner light comes on.

It is not advisable to continue to use the printer after the add toner light has come on, if the toner level drops too low, then when the supply toner is added, it is possible that the quality of print may not be acceptable.

IMAGE QUALITY :

Varying Density

May be caused by damp paper (see above) or the problem may be a build up of toner on the two rubber drive belts (drive to the drum and developer unit) - it is necessary to remove this toner to solve this problem, this may be removed by using cotton buds dipped in methylated spirits to clean the eight pulleys and a metho soaked rag to clean the two rubber drive belts. It is preferable to remove the top cover to gain easy access to these parts - if you do not know what you are doing, take it to somebody who does, it is generally cheaper in the long run.

Vertical White Lines

Dirty corona wires - it is generally the bottom corona wire that causes this problem, using a cotton bud soaked in methylated spirit, apply LIGHT PRESSURE to the wire and stroke the entire length, do not stop, but go from end to end before removing cotton bud.

Contaminated Toner in hopper - this can often be verified by removing the developer unit and looking at the toner covered roller (where dev unit meets drum), if you can see gaps in the toner covering the roller this will cause the problem - making sure that you hold the toner unit securely, shake it GENTLY from side to side : if this does not solve the problem then you need a service centre.

Dirty Marks on Document -

Paper path is contaminated with toner, this is usually obvious when the printer is opened, remove the bottom corona wire holder and by using a small brush and a vacuum cleaner it is possible to remove any toner or dust that has accumulated.

DRUM :

It is wise to leave the drum exposed to light for as short a period as possible - a method that I have found satisfactory when I need to get at the insides of the printer is to utilise a cupboard drawer large enough to accommodate the drum unit, place some paper on the bottom of drawer, to catch any toner that may drop. With the drum in the closed drawer, I can take my time with any cleaning etc.

PAPER JAMMING :

Usually when paper jams occur, it will be when the paper does not leave the paper tray or when it has just moved past the first bend - this is normally caused by either damp paper (see above) or that the paper feed rollers are dirty. To clean the paper feed rollers, remove the paper tray and look into the opening and you will see two half round rollers, using a lint free rag soaked in methylated spirits, clean the surface of the rollers, the rollers can be rotated from rest in one direction only - DO NOT FORCE, when cleaning is completed, if necessary rotate the rollers back to their rest position (roller should not protrude into tray area otherwise you will not be able to put paper tray back).

LASER ON/OFF :

As all users of the Atari Laser know, it is necessary to have the printer switched on to be able to use the associated computer, this makes the printer expensive to run, noisy and generating unnecessary wear and tear. This may be overcome by simply opening the flap at the rear, this may require something to prop it open (ie. a ruler). (This has never been suggested by ATARI, but I have used it for many years without any problems). This isolates the mechanics of the printer but allows the electronics to operate and the associated computer is not affected - this is in no way detrimental to the printer. There are third party hardware fixes that have been advertised, these generally require modifications to the SLMC controller, as well as another plugpack type power supply - it has been my experience that these modifications, though more elegant than opening the back door, can sometimes create problems booting.

This article is not meant to be a complete answer to all your problems, but with a little common sense you can solve minor problems - **If you do not feel confident to carry out any of these suggestions - don't do it**

by
Lance Barrett
for

The Paragon Report June 1992



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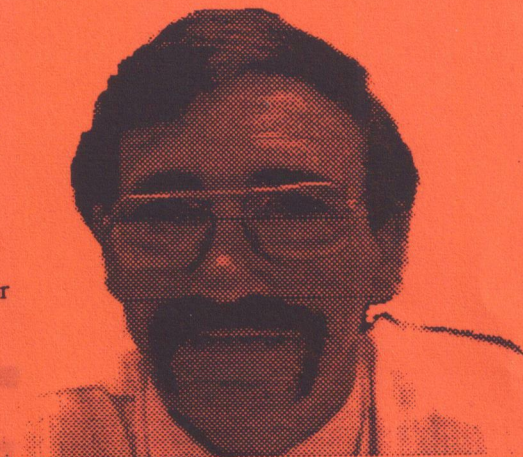


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Welcome to issue fifteen of **THE PARAGON REPORT**

The magazine of **PARAGON COMPUTERS** Pty Ltd.
Australia's largest ATARI only dealer



THE PARAGON REPORT contains news, reviews and information for Atari ST users in Australia, New Zealand, U.S.A. Canada, Germany, England, Holland and Sweden.

The magazine is produced in house using the Paragon Desktop Publishing Solution, consisting of an ATARI TT030. Eizo 6500 A3 monitor, Megafile 44 hard drive. SLM605 laser printer, QMS Postscript Laser printer, Hawk 432 Scanner, Augur OCR, Migraph scanner, and PageStream 2.1 Desktop Publishing Software.

Thank you to all the ST users for the moral support and for the kind remarks on the previous issues of PARAGON REPORT, (*please keep it up*). Due to numerous requests from readers of previous issues, we have included a list of our ST software, we would like to remind readers that our ST software list is updated every few days due to the arrival of new software, we also have specials on most software at the end of the month, to make room for new stock. Please call for the latest ST software and special list

We welcome any feedback on THE PARAGON REPORT and any comments, suggestions, articles reviews or news can be sent to (The Editor) c/o PARAGON COMPUTERS or leave a message on PARAGON BBS on (09) 325 5160 (its free) or phone (09) 221 3216. / 3lines. (human response). 9am - 5.30pm W.A.S.T. Monday to Friday. 9am - 12pm W.A.S.T. Saturday. or Fax on (09) 325 8251. 24 hrs.

We would like to remind those of you out there with modems that the FREE PARAGON BBS is on line 24 hours a day with 300/300. 600/600. 1200/1200. 2400/2400. 1200/75. BELL. CCITT. 7 days a week. 365 days a year on (09) 325 5160. Give it a call and have your say.

Paragon Computers also offer a 300 dpi Post Script Laser printing service or up to 2400 dpi Imagesetter service for Atari ST, IBM Compatible and Apple Macintosh computers along with scanning (400 dpi), Optical Character Recognition, Video and Audio Digitising services for Atari ST users, also in home video tuition for beginners and in-home tuition on any aspect of the Atari ST Computer, including Desktop Publishing and Desk Top Video.

Paragon Computers, has a fully equipped workshop and staff with a total of 33 years experience with Atari Computers, plus a large range of spare parts and accessories for the Atari ST and is authorised by Atari Computers Pty Ltd for all warranty repairs to the entire range of Atari Computers. As well as being an Atari Authorised Education Department Supplier, Paragon Computers is also an Atari Business Centre, Authorised by Atari Computers Pty Ltd to supply and service the entire range of Atari Business Systems including the Atari Mega ST range, hard disk drive range including laser printers, the Atari PC range, the Stacy Laptop, TT030, Mega STE, SM194 and CDROM, with the largest range of Atari ST hardware, software and accessories anywhere in Australia.

If you would like to receive the next issue of THE PARAGON REPORT, please fill in the request form inside and post to:-

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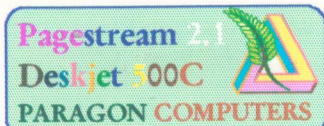
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COLOUR HardCopy with the HP DESKJET 500C

The sample below was produced on an Atari 520STE (4Meg) with Pagestream 2.1 and SM124 Monochrome Monitor.



At last a printer has arrived that gives us the thing that we have wanted for such a long time! Glorious colour in the Paragon Report. Even better is the news that this printer, the Hewlett Packard Deskjet 500C has been designed and priced to sell as a personal printer to homes and small businesses.

The HP Deskjet 500C looks for all the world like the ever popular Deskjet 500 and in fact it takes the same low cost black cartridges for use in the majority of jobs where just black copy is needed. The colour version works just like the black one using the same software drivers except when colour is requested. At this point the printer will pause and hold the ink cartridge in the centre of the carriage and flash the "change cartridge" light as it asks for the black cartridge to be replaced with the colour one. At least that is what happens when you change from the black to colour Deskjet driver using Pagestream 2.1. I imagine that the same thing happens with Calamus SL (which also has a colour Deskjet driver) although I have not tried this program. The Deskjet has always had the great feature of combining the ink nozzles with the cartridge so that you get a new set of nozzles and ink firing electronics with each new cartridge. Those of us who are adventurous have refilled our black cartridges using a hypodermic syringe and fountain pen ink (of various colours). I

mean, we're supposed to throw away the empty cartridge, so what is there to lose by trying to refill it? If the nozzles become blocked, well it was to be thrown out anyway so all we lose is a bit of fountain pen ink, but many times the refill operation succeeds and the cartridge can be used again for about \$1.00 in ink!. I don't think colour cartridges can be refilled, at least not yet but lookout once a source of cyan, magenta and yellow inks can be found!

These are not expensive either with black cartridges costing about \$40 and colour about \$55. The new colour cartridges look almost identical to the black ones but are slightly deeper and have three colour dots on the top for ease of identification, (one each for cyan, magenta and yellow). Of course one cartridge of each type is included with the printer..

With typical Hewlett Packard style, much thought has gone into the ease of use of this new technology. A little box with two compartments is included for storage of the cartridge which is not in use at any given time. Each compartment is clearly marked to show whether the colour or black cartridge should be stored there and at the bottom of each is the special HP rubber stopper so that the cartridge does not dry out when stored.

There is comprehensive documentation with the printer with separate booklets for Software Information, User's Guide, Initial Setup plus A Guide To Using Colour which covers topics like which colours look good together with examples from the "colour wheel", additive and subtractive colour process and why a separate black cartridge is provided even though black can

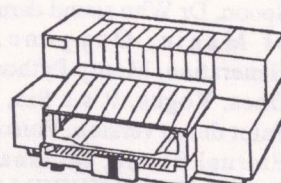
be printed from the colour cartridge.

Hewlett Packard have enough confidence in the reliability of the unit to give it a three year warranty. And why not when the printer itself is a very simple mechanism compared to even the simplest dot matrix printer. All of the complicated ink vapourizing chambers and fine nozzles are replaced whenever a cartridge runs out of ink. Even this technology has already proven reliable with the black model but if a problem should develop, the replacement of the relatively cheap cartridge area brings with it brand new components at the hi-tech end of the printer. .

So all in all quite a breakthrough has been made with the Deskjet 500C colour inkjet printer. Simple in design and easy to use. Not many colour drivers yet (Calamus SL and Pagestream are the only two I know of) but many should soon become available for what is fast becoming a most popular choice of printer for Atari ST owners.

For a limited period Paragon Computers will include a FREE Atari ST PageStream 2.1 Desktop Publishing Program including colour drivers with every HP DeskJet 500 Colour printer for just \$1795

For
The Paragon Report
June 1992
by
Trev Holland



Could this happen in Oz?

A few months ago a U.K. public domain supplier called the Southwest Software Library were raided by a U.K. government department called the Trading Standards Department. The officers from the department raided the PD software house and seized several disks of Atari ST PD software claiming that the disks were a breach of copyright. Most of the disks seized were demo disks containing sampled sound and digitised pictures and animations, however other disks that were seized were demonstration disks of the type distributed by commercial software developers free of charge to advertise the full version of a program, we have all seen these demonstration disks, they are usually a full version of the commercial package with a few features disabled, for instance there may be a word processor demonstration package that has the save or print feature disabled, these are the same sort of demos that appear on some magazine cover disks. The outcome of this raid by the Trading Standards Department has yet to be concluded, many PD libraries will be interested to see the result of this raid in the U.K. The investigation has yet to be concluded, a full list of the software seized follows.

Trek Talk, S Express, Ghostbusters, Running Up That Hill, Like A Prayer, Kylie, Voyages Of The Enterprise, Then and Now, Encounter at Arctacus, Batman, Batman III, Star Trek, Tiffany, Rocky Horror, I Think I'm a Clone Now, Gremlins, Timeworks DTP Demo, Revolutions, Protex V5.5 Demo, I Want It All, Souvenir of China, Predator, Robocop II, Genesis, Mr Spoon, Dr Who sound demo, Kind of Magic, Oxygene, Next Generation, Monty Python, Yung Ones, Vogue, It's a Sin, Deluxe Paint demo version, Poison, Tras, Eternal Flame, Indiana Jones, Cartoon Time, NTWICM 8.

European Computer Trade Show Winners.

The major award winners at the recent European Computer Trade Show in London were... (the envelope please Hannah)..

Best Packaging
3D Construction Set.

Best Action Game
Lotus II

Best Adventure
Eye of The Beholder.

Best Simulation
Railroad Tycoon.

Best Sports Game
Jimmy White's Snooker.

Game of The Year
Lemmings.

Software Publisher of the year
Microprose.

New confidence in Atari from the U.K.

With the increased confidence in Atari plus increased Atari ST sales recently, another Atari ST magazine has been released in the U.K. called Atari ST Review, this has to be a good sign for everyone owning an Atari computer. The first issue of this full colour glossy magazine has 178 pages, of reviews and ST information, two cover disks, an ST buyers guide plus a separate 32 page supplement full of information on MIDI, sequencing, editors and voicing software. Atari ST Review is aiming at the old 'ST World' market with a larger content aimed at the serious user as well as the entertainment user. Published by Emap Images U.K. the new mag now makes a total of 4 glossy colour magazines available from the U.K. ST Format, ST Action, Atari ST User, and Atari ST Review, plus another

good magazine put out by Paul Glover called ST Applications, all of these magazines are a 'must' for every Atari ST owner and between them they would cover every aspect of the Atari ST, if you are having trouble getting your copy of any of the above U.K. magazines, call Paragon Computers on (09) 221 3216.

Frontier disappear

Frontier Software, the U.K. distributors of ST RAM upgrade boards and Forget me not real time clock cartridges for the Atari ST have now gone out of business, the distribution of Frontiers products has now been taken over by another U.K. company called Marpet Developments.

MultiTOS

Several U.K. software developers have started to upgrade their software to run under the new MultiTOS operating system from Atari, due for release around the end of this year, stay tuned for more details on this new, exciting development from Atari.

Signum 3

The popular, powerful German ST document processor program Signum 2 is about to be upgraded to version 3, the English translation and distribution will be carried out by Silica Systems U.K. The English version of this program should be available around June, July 92.

New Oz Atari Mag

An new Australian Atari magazine "TALKING ATARI" is due to hit the newsagents around July, the new magazine will contain the latest information for the Australian Atari enthusiast as well as advertising for local Atari dealers in each State, the magazine will be a similar format to the popular U.K magazine ST Applications by Paul Glover and will include a cover disk, the cost of the new Atari magazine is expected to be around \$6.00. including cover disk.

For further details please contact.

Specific Publications
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Australian Programmer on U.K. cover disk

Arnd Hurlbrink is an avid Atari enthusiast and C programmer using HiSoft Lattice C V5, Arnd has written a Resource to C Converter for use with Lattice C, the program appears on the cover disk of June 92 Atari ST User magazine with information regarding the program in page 28 of the same issue.

Congratulations Arnd

New Design Guide for PageStream Users

The I-Koen Design Guide to PageStream 2. The Quick Reference Guide for PageStream Publishers.

Introducing the most useful reference source you can buy for PageStream, the I-Koen Design Guide to PageStream 2. The Guide is a sturdy 20 page quick reference booklet printed at 1270

dpi intended for use with PageStream 2.1 Atari and Amiga. In th guide you will find fill styles, line styles, bitmap pictures, drawing tools, SoftLogik, PostScript and Compugraphic character sets, symbol and Dingbats reference charts, font samples, font styles, font sizes, leading, tracking, text effects, object effects, macros, resources, keyboard equivalents, screen frequency comparison charts and more.

For further information regarding The I-Koen Design Guide to PageStream call (09) 221 3216 or write to Paragon Computers.

Congratulations Gordon Marsh from Victoria \$100 FREE ST Software

Gordon has won Atari ST software of his choice to the value of \$100. The winner was drawn from hundreds of entries from the last issue of The Paragon Report, if you missed out last issue, try again with this issue, every order for software or hardware with a total value of \$50 or over goes into a barrel, the winner is drawn prior to publication of the next Paragon Report. The winner is notified by mail and can choose \$100 worth of ST software from Paragon Computers ST Software list.

Congratulations Gordon

Star Trek Fans

Start Trek fans will be interested to know that Chekov (Walter Koenig) uses an Atari Mega STE with an Atari SLM605 Laser printer and PageStream 2.1 desktop Publishing program to produce screen plays .

LYNX Software due for release in 1992

Atari Corp have already doubled their total 1991 Lynx sales, new software for the Lynx due for release this year include:-

Batman Returns, Basketbrawl, Lynx Casino, Rampart, Hockey, Hydra, Hyperdrome, Kung Food, Pinball Jam, Pit Fighter, Rolling Thunder, Shadow Of The Beast, Steel Talons, World Class Soccer Baseball Heroes, Battlezone 2000, Dirty Larry, Renegade Cop, Deamonsgate, Dinolympics, Dracula, The Undead, Jimmy Connors Bad Boy Tennis, Malibu Beach Volleyball, Nfl Football, Switchblade 2, Guardians: Storm Over Doria, Super Off-Road, DoubleDragon 2, 720, Blood & Guts Hockey, Cabal, Eye of The Beholder, Full Court Press Heavyweight Contender, Lemmings, Ninga Gaiden III, Ninja Nerd, Power Factor Raiden, Road Riot 4WD, Space War, Super Asteroids/Missile Command, Vindicators.

The Revolving Door

Ted Maciejewski (Director of Atari Service) and Don Mandell (Vice President of US Sales) have recently left Atari Corp to be replaced by Art Morgan and James Grunke, James Grunke will now hold the position of Director of International Music Markets/ Director of Atari Service. Phew!

Lexicor & Silicon Grafix

Lexicor is now porting their Phase 4 software over to the Silicon Graphics platform, the Silicon Graphics Station is a very powerful graphics workstation, this marriage could mean that we may see some interesting graphics software for any new machine that Atari may have planned in the near future... wink, wink.

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Codekeys	69.95	Genpatch St	239.95
Codename Iceman	69.95	Geometric Pd Disks	6.00
Compo Script	699.00	German Master	49.00
Compute Your Roots	69.95	Gfa Basic V3 Compiler	89.95
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Goofy's Railroad Express	59.00	MiGraph OCR	499.00
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