AGFA Division
OMNI KNOWLEDGE DATABASE
FIELD SERVICE BULLETIN
COMPANY CONFIDENTIAL
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PRODUCT: **9000PS - FSB82**
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DATE: **September 17, 1992**
SUBJECT: **Hard Disk Format Procedures for STAR 200/400/600**

The drive formatting procedures detailed in FSB 52 are not valid for the new series of Star RIPs. A portion of the drive on the STAR 200(AccuSet), 400 and 600 is now used by AGFA for disk FIFO'ing. This feature increases RIP throughput by "pipelining" the rasterization process. The increase in throughput only occurs in conjunction with ethernet input.

Formatting the drive as stated in FSB 52 effectively disables the disk FIFO. The portion of the drive to be set aside for FIFO'ing varies with the size of the drive.

Assuming a drive size of 213Mb (STAR 200);

The command

0 0 initializedisk

is now replaced by

(%disk0%) 200000 0 devformat

where; "(%disk0%)" is the SCSI disk ID to be initialized.

200000 is the partition size in 1024 byte blocks. This block size varies with the disk size being used.

0 is the formatting mode. 0 = high level, 1 = low level format.

devformat is a variation of initializedisk that allows for SCSI ID's.

The file below is a modified version of the one in FSB 52. It allows you to format or initialize the drive. It should be created using an ASCII editor and downloaded as any other tool. Be certain to exhaust all other means of repair before deciding to use this program.

Initializing the drive (high level format) takes only a few seconds while formatting (low level format) can take several

minutes depending upon the size of the drive. Always try to initialize first for this reason. If the initialization process fails for some reason, then the drive should be formatted.

After successfully formatting a new series RIP drive, the RIP must be rebooted and the Sys/Start files downloaded. After rebooting again, the PostScript interpreter can be downloaded. Trying to download the interpreter before the Sys/Start files will produce an error. This is a protection scheme that disallows attempts to load the interpreter on non -AGFA RIPs.

The file below can also be used to format older Star series RIPs by using the format "(%disk0%) 0 0 devformat". The block size number for each of the new RIP disk drives is as follows:

Drive	Block Size	Where Used
213Mb	200000	AccuSet 1200
422Mb	380000	Star 400 - MutliStar 400
1.05Gb	900000	Star 600 - MultiStar 600

```
%!PS-Adobe-1.0
%%Creation Date: July 1, 1991
%%Modified September 17, 1992 for Star 200, 400 & 600
%%Hard Disk Formatter/Initializer.
%%This program has been set up for a 1.05Gb drive.
%%Check and set block size before using.

serverdict begin 0 exitserver
statusdict begin

diskonline

{
% Low level format. Delete % at beginning of line to use.
%(%disk0%) 900000 1 devformat

% High level format; wipes disk and then loads the Adobe file
% system to disk. Must be used if low level format was performed.
(%disk0%) 900000 0 devformat

(\nHard Disk has been Formatted\n)print
diskstatus

(\nTotal Disk Space in 1K Blocks : )print ==
(\nDisk Space Available : )print ==
(\nUser Disk Percentage set to : )print userdiskpercent == flush
(\nFiles:\n)print

(*) {(\n)print print } 50 string filenameforall
```

```
flush
}

{(Disk is not Available for Formatting!!!)print
(\n\nCheck Cables, Reboot RIP and Retry)print} ifelse

end
```