

ALLEN DATAGRAPH

Technical Support Bulletin Setup Procedure for Visual Cadd

(Last update February 27, 2006)

Abstract: This support bulletin documents the setup procedure for Visual Cadd to allow Visual Cadd to operate with Allen Datagraph Cutters. This document applies to Visual Cadd version 4.0.3. Also when using Visual Cadd with the printer driver there are some rules to live by.

- Start Visual Cadd
- Click on File -> Plot
- Click on Setup
Select driver Camm Vinyl Mode 1
- Click on Option
- Click on Plotter tab
- Select desired port that is connected to cutter.
- Resolution 1016

If connected to com port verify (9600 baud, no parity, 1 stop bit, 8 data bits). If you change the communication settings you must exit from visual cadd and restart the program before sending a plot. *(Notice: Visual Cadd bug work around. It has been found that the displayed settings for Visual Cadd can be out of sync with the settings used. This causes E57 or E58 errors when sending a job to the cutter. To fix this problem change setting to 4800, even parity, 2 stop bits, and 7 data bits. Exit Visual Cadd. Restart visual cad and change settings back to 9600, no parity, 1 stop bit, 8 data bits. This sequence of actions resynchronizes the displayed settings with the used settings.)*

- Click on language tab
- Select language = hpgl
- Change Initial String from

`^27.@;3:BPINPA`

to

`BJ1PAPU`

- Change DE INIT string from

`PUSP0PG;`

to

`PG0;`

- Verify Use HPGL/2 is unchecked.
- Click OK and send plot.

How to use Visual CADD with Allen DirectCut printer driver

Be sure all objects are on the page or frame.

All objects should be black

Objects should not be filled

Select all object prior to File -> print

The Visual CADD has a 16-bit graphics driver, which is limited to 32767 units of measure so at 1016 DPI the page size is limited to 32 inches square. The table below shows the maximum DPI setting for the Image sizes. You should select the paper size shown in the Max Image Size column.

Min Image Size	Max Image Size	DPI
0" (0 cm) x 0" (0 cm)	32" (81 cm) x 32" (81 cm)	1016
32" (81 cm) x 32" (81 cm)	64" (162 cm) x 64" (162 cm)	508
64" (162 cm) x 64" (162 cm)	129" (327 cm) x 129" (327 cm)	254

If you do not limit the media size / DPI setting as shown in the above table Visual CADD will not print anything to the driver.

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