LaserWriter Pro 810: Selecting Different Paper Trays (2/95)

Article Created: 4 May 1994
Article Reviewed/Updated: 8 February 1995

TOPIC --

I am trying to get a LaserWriter PRO 810 to use the tabloid tray for plotting
CADD files. I am using postscript, and have a copy of the LWPRO81_.ppd file.
The problem I am having is trying to find the proper syntax. For most printers
we use a command like:

    statusdict begin n setdefaultpapertray end

where n is the tray number.

Several attempts at variations of this command, and using the .ppd to make more
educated guesses have failed to get the desired results. I would appreciate any
advice on the proper syntax to include in our postscript file.

DISCUSSION ---

Caution:
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If you choose to use the PostScript code provided in this article, you assume
all risks involved in making these changes. PostScript code, if not entered
correctly, can place the LaserWriter into a condition requiring service.

We also verified that the "setdefaultpapertray" command was not accepted by the
LaserWriter Pro 810. Typically, most PostScript level 2 printers have
compatibility operators for PostScript level 1 code so we are unsure why
"setdefaultpapertray" is not working. However, there are other ways to choose
paper trays:

1) The "setpapertray" compatibility operator can be used for the LaserWriter
   Pro 810 with the following values below:

   0 for the Upper tray
   1 for the Middle tray
   2 for the Lower tray
   4 for the Manual tray

   Thus, "statusdict begin 1 setpapertray end" will use the Middle tray for

printing.

    NOTE: Since this command does not exit the PS server loop, the paper tray
          selection is valid ONLY for the current job being printed.

    By the way, this command does not work if the PostScript file being
    downloaded was generated by LaserWriter 8.x driver. This is because the
    paper selection code in LaserWriter 8.x driver overrides any code sent
    beforehand.

2) The following segments of code (taken from the LaserWriter Pro 810 PPD) will
    also select the various paper trays:

```
% Upper tray
  currentpagedevice /InputAttributes get
  0 get dup
  null eq {pop}
  { dup
    /InputAttributes
    1 dict dup /Priority [0 1 2 3] put
    put  setpagedevice
  } ifelse

%Middle tray
  currentpagedevice /InputAttributes get
  1 get dup
  null eq {pop}
  { dup
    /InputAttributes
    1 dict dup /Priority [1 0 2 3] put
    put  setpagedevice
  } ifelse

%Lower tray
  currentpagedevice /InputAttributes get
  2 get dup
  null eq {pop}
  { dup
    /InputAttributes
    1 dict dup /Priority [2 0 1 3] put
    put  setpagedevice
  } ifelse

%Manual feed
<</ManualFeed true>> setpagedevice
```


Article Change History:
08 Feb 1995 - Added PostScript caution.
13 Oct 1994 - Corrected titled.

Keywords: <None>

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19960215 11:05:19.00

Tech Info Library Article Number: 15269