



white paper

HP LaserJets – changing paper type settings using PJJ

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This document describes how to change the paper type settings in the paper trays for the LJ4100, LJ8150, and LJ9000 by using PML encapsulated in PJJ.

How do you change the Paper Type settings when using PJJ?

This document describes the steps taken to change the paper types via PJJ commands for HP LaserJet printers.

The method of changing the Paper Types in the various Paper Trays via PJJ starts with identifying the supported paper types in the printer by querying the PML objects that control the Media Types. Each of the paper types supported by the LJ4100, LJ9000 and values that will be used in the PJJ string(s) are included in Table 1.

Table 1

Media Type Name	hex	# of Characters	# of Character Values
Plain	506C61696E	5	5
Preprinted	5072657072696E746564	10	A
Letterhead	4C657474657268656164	10	A
Transparency	5472616E73706172656E6379	12	C
Prepunched	50726570756E63686564	10	A
Labels	4C6162656C73	6	6
Bond	426F6E64	4	4
Recycled	52656379636C6564	8	8
Color	436F6C6F72	5	5
Card Stock	436172642053746F636B	9	9
Rough	526F756768	5	5

In order to complete the sequence for the PJI command the Paper Tray must be identified in the PJI string to be generated. Table 2 includes the values for the HP Paper Trays supported by the HP LaserJets.

Table 2

HP Tray Name	Tray Number
Tray 1	1
Tray 2	2
Tray 3	3
Tray 4 (LJ4000 series)	5
Tray 4 (LJ9000, LJ8150)*	6

*The LJ9000 and the LJ8150 both support a 2x500 sheet input tray.

If the product supports an external paper input device such as the Rutishauser Tower Feed solutions the tray numbering scheme is as follows in Table 3

Table 3

External Tray Name	Tray Number
Tray 1	6
Tray 2	7
Tray 3	8
Tray 4	9
Tray 5	10
Tray 6	11
Tray 7	12

To generate the appropriate PJI the above tables will be used in different areas of the same PJI String. The various value groups in the tables above will correspond with the portions of the PJI string that the will affect change is signified by the matching text color.

The following PJI string will set Tray 4 to Transparency:

```

@PJI EOJ
^c %-12345X@PJI JOB
@PJI COMMENT "Set Tray 4 Media Type to Transparency"
@PJI DMINFO ASCIIHEX = "040007020802010C0105140C5472616E73706172656E6379"
@PJI EOJ
^c %-12345X
    
```

Note the **Green** character in the string. This identifies the Paper Tray that will be changed. The **Red** character represents the number of characters in the Paper Type. In this case C = 12 (C is the hex equivalent of 12). The **Blue** characters are octets describing the text of the Paper Type.

An example for adjusting multiple paper tray settings –

```
@PJL EOJ  
^c%-12345X@PJL JOB  
@PJL COMMENT "Set Tray 1 Media Type to Plain"  
@PJL DMINFO ASCIIHEX = "040007020802010C01011405506C61696E "  
@PJL COMMENT "Set Tray 2 Media Type to Bond"  
@PJL DMINFO ASCIIHEX = "040007020802010C01021404426F6E64"  
@PJL COMMENT "Set Tray 3 Media Type to Letterhead"  
@PJL DMINFO ASCIIHEX = "040007020802010C0103140A4C657474657268656164"  
@PJL EOJ  
^c %-12345X
```

Further information about the Printer MIBs can be obtained through the Developers Program site at <http://www.hppartners.com/hpdev>.