

## Laser Printer, Adding or Changing Settings

### Requirements

Operating System: Any  
MACS Version: 4.0 or higher

### Situation

You need to change the appearance of printed output. For example, you need a larger or smaller typeface, to change the line spacing, or to choose between portrait (vertical) or landscape (horizontal) printing. The options available depend on your printer.

Printing with multiple setups simultaneously can be done without constantly changing your initialization strings. Instead, add another printer definition in MACS, set to the same two-character code, as described in the MACS User's Manual, Section 3.16, page 3. You'll have *two* printer definitions, each with its own printer initialization string for the same physical printer. Then, you can choose the printer with the settings you desire.

**Please be advised that assistance with printers is non-MACS assistance and billed at our current rates found in MEMO #115 (MACS/care plus enrollees are billed at a reduced rate).**

If you are having problems printing, please refer to Support MEMO #251 for troubleshooting suggestions.

### Changing Printer Settings

To make changes go to Supervisory Functions, select SETUP PRINTER [SF\3.16]. When the printer screen (see figure1) appears, follow the steps below.

```
1. ___ Printer Number   Defined two character code: ___
2. Printer Description: _____
3. ___ Form Feed (1)Before (2)After (3)None
4. ___ Online Check (1)Check (2)Don't check
5. ___ PRINTER INITIALIZATION STRING REQUIRED (1)Yes (2)No
6. ___ PRINTER TERMINATION STRING REQUIRED (1)Yes (2)No
7. ___ INITIALIZATION STRING: _____
8. ___ TERMINATION STRING: _____
9. ___ SPOOLED PRINTER (1)Yes (2)No
```

(figure1)

1. Line 1. Select the printer to be changed. If this printer has not been set up yet, refer to **Adding a Printer** on the following page.
2. Line 2. Verify that the printer listed is the one you want to make the changes to.
3. Line 3. Type **2** for **AFTER**

4. Line 4. Select either **1** or **2** depending on what your preference is.
5. Line 5. Type **1** for **YES**
6. Line 6. Type **1** for **YES**
7. Line 7. Type your printer codes\*\*
8. Line 8. Type your printer codes\*\*  
 \*\*Enter the codes corresponding to the options you would like to set. Only set options that differ from the way reports currently print. For example, if reports print in portrait mode, and you like portrait mode, there is no need to change the setting. **Refer to your printer manual for the appropriate printer codes. If you need assistance with finding the correct codes, call your printer manufacturer and tell them you need the escape sequences for a DOS-based software application.**  
**Also, refer to the web page of the manufacturer of your printer. This is a valuable resource when needing information about printers.**
9. Line 9. Type **1** for **YES**
10. Save your changes and test the printer by using **<F10>** to print the settings (you may have to log out and log into MACS before testing the printer).

### Adding a Printer

1. If you select a printer as described in step 1 on the previous page and it is not set up yet, you will be prompted to add it. Select **Y**.
2. At the following prompt, press **<ENTER>** again. It is EXTREMELY important that you do not type anything else at this prompt.

```
MRPU53 MODIFY PRINTERS DEFINITIONS          03/31/03
FILENAME (<RET>='.\IPLMACS')
```

3. The following screen (figure 2) will appear:

MRPU53 MODIFY PRINTERS DEFINITIONS						10/31/06
						FILENAME: .\IPLMACS
LINE NO	LOCK DEV	Y/N	SPOOL Y / N	LINE WIDTH	TIME OUT	PRINTER DEVICE
1	LP	Y	N			LPT1
2	P4	N	N		0	NUL
3	PF	Y	N			MFILE.PRN

(A)Add (C)Change (D)Delete, <F4>End, <F10>Print

(figure 2)

4. Select **A** to add the printer.
5. At the prompt **ENTER LINE # TO ADD**, type the next available number and press **<ENTER>**. In our example, we would type **4**.

6. At the prompt ENTER TWO CHARACTER DEVICE (<RET>KEEP THE SAME), type the device number/name.
7. Press <ENTER> until you get to PRINTER DEVICE. At this time, type the device name.
8. When finished, type **Y** at CORRECT (Y/N).

## Common Codes

Most new printers will emulate HP Lasers 4 work with the following common settings.

For HP LaserJet models I, II, III IV, V, and VI, the options and their corresponding codes, are listed below. You can string codes together to set more than one option. For example, using the codes listed below, you can set both landscape mode (**1B 26 6C 3Ø 4F**) and condensed typeface (**1B 26 6B 32 53**) for the HP LaserJet Models 4 or higher, by stringing together both sets of codes (**1B 26 6C 3Ø 4F 1B 26 6B 32 53**). You cannot combine conflicting options, such as landscape mode and portrait mode. Conflicting options are grouped together below and Standard settings listed in Bold:

Option	Newer Printer (HP Model IV, V, VI)	Older Printer Codes (HP Model I, II, III)
Portrait Mode	1B 26 6C 30 4F	same
Landscape Mode	1B 26 6C 31 4F	same
10 Char/Inch	1B 26 6B 30 53	1B 28 73 31 30 48
12 Char/Inch	<b>1B 26 6B 34 53</b>	1B 28 73 31 32 48
16.6 Char/Inch cond	<b>1B 26 6B 32 53</b>	1B 28 73 31 36 48
6 Lines/Inch	1B 26 6C 36 44	same
8 Lines/Inch	1B 26 6C 38 44	same
51 Lines per page	1B 26 6C 51 50	same
Top Margin Adjust	1B 26 6C ## 45 (Use ##=35 and adjust)	same
Left Margin Shift	1B 26 61 ## 45 (Use ##=35; adjust up)	same
Form Feed	0C	same
Skip on Perf-Off	1B 26 6C 30 4C	same
Termination String	<b>1B 45</b>	same

For Epson Codes, refer to Memo 312.



**Could you restore from a back-up today if you had to?**

This Memo and others are available at the website [www.macsworld.com/macscare](http://www.macsworld.com/macscare)