

Quick Reference guide

FormsPro

4300

4500se

4503se



**Setup
Guide for
FormsPro
4300
4500se
4503se
Printers**

PRINTEK

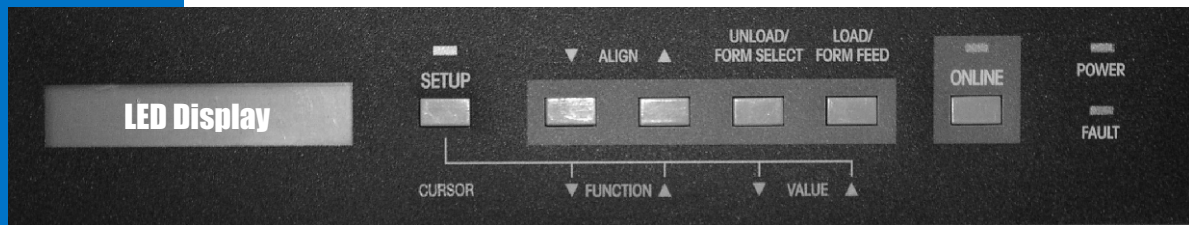
Before You Setup Printer...

Setup of your Printek FormsPro Series printer is quick and easy. By following this guide, you will be able to set parameters for up to ten unique form configurations and for successful printer/computer communications.

All FormsPro printers come with Factory Default settings already stored in memory (indicated by an asterisk). This guide shows you how to change the parameter settings if you need to customize your forms.

The following pages provide complete listings of all functions under the **SETUP: FORMS**, **SETUP: INTERFACE**, **SETUP: OPTIONS**, and **SETUP: TEST** menus, along with a brief description of each function and possible values.

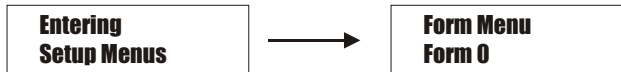
This guide has been provided as a quick reference tool to help you setup your FormsPro printer. Please refer to your Operator's Manual for more complete instructions and function descriptions.



If your printer is online, take your printer offline by pressing the Online button once.

Entering Setup:

1. **To access the Forms, Interface, Options, and Test Menus:**
Press the SETUP button. The display will temporarily show the following:



2. **Using the SETUP Button:**
Continue to press the SETUP button to select:
 - INTERFACE MENU
 - OPTIONS MENU
 - TEST MENU
3. **Using the FUNCTION Buttons:**
Once in the desired menu, you can access its various functions using either the FUNCTION, or VALUE button.
4. **Using the VALUE Buttons:**
Whenever you select a function, its current value will be displayed. Use either VALUE arrow buttons to change the value or settings. The value displayed when you leave a function will become the default value until you change it again.
5. **Exiting Setup:**
Press the ONLINE button. The display will show:



FORMS

Forms Setup allows you to set print parameters for each of the 10 form templates 0 - 9

Functions	Possible Values	Description
Form # or Name:	0 - 9, A - Z, or spaces	Allows you to select the desired form to be configured. Printer defaults to the currently selected form.
Name Path:	Front, Center, Rear	Assigns tractor path to be used for current form (A available on FormsPro 4503se only).
Auto Cut:	Yes or No*	Available only when the optional FormsCutter is installed. Will cut every form printed.
Cut Adj:	minus 85 to + 84, 0*, or Auto	Available only when optional FormsCutter is installed.
LPI:	6*, 8	Sets line pitch to 6 or 8 lines-per-inch.
Length:	1 through 227 (66*)	Sets form length in lines at current line pitch.
Top Mar:	0* through 226	Sets top margin by adding specified number of lines to top of form.
Bottom Mar:	0* through 226	Sets bottom margin in lines from bottom of form.
Character Per Inch:	10*, 12, 13.3, 15, 16.74, 17.14, or 20	Sets character pitch in characters-per-inch.
Left Mar:	0* through 268	Sets left margin in columns (characters) from left-most print position. Column width based on CPI. Left margin must be less than right margin.
Right Mar:	4 through 272*	Sets right margin in columns (characters) from the left-most position. A value of 272* sets margin to the right-most position.
Font:	Epson FX FD*, DF, LQ PC English FD, DF, LQ PC Latin 2 FD, DF, LQ DEC LA 120/210 FD, DF, LQ EBCDIC FD, DF, LQ OCRA-A OQ OCR-B OQ Roman-8 FD, DF, LQ ML Euro (858) FD, DF, LQ ML (850) FD, DF, LQ	Selects font to be used. (NOTE: Fonts not installed will not be displayed).
Draft:	Normal* or Fast	Selects the mode or quality of printing, either "Normal" or "Fast".
Impact:	Normal* or High	Set Character printing mode to normal or high impact.
Lang:	USA*, France, Germany, England, Denmark, Sweden, Italy, Spain, Japan, or Finland	Sets character substitution table for alternate language. (NOTE: Epson font must be selected for character substitution).
Zero:	Normal* or Slashed	Sets type of zero to be printed.
Unidir:	Yes or No*	Sets uni-directional printing instead of bi-directional printing.

*Factory Default Setting

Interface

Interface Setup allows you to set your printer interface parameters

Functions	Possible Values	Description
I/O:	Parallel/LAN* or Serial	Selects active I/O port. NOTE: Must press VALUE button to select desired I/O port.
<i>Serial</i>		
Emulation:	Epson*, IBM Proprinter, DEC LA120/LA210, TTY, Printek, ANSI X3.64, Genicom 3840, Genicom 3410	Selects current emulation mode.
Auto. CR:	Off or On*	Enable or disable automatic Carriage Returns (CR) when a Line Feed (LF), Vertical Tab (VT), or Form Feed (FF) is received.
Auto. LF:	Off* or On	Enable or disable automatic Line Feed (LF) when a Carriage Return (CR) is received.
FF at TOF:	No*, Yes	Sets whether Form Feed (FF) occurs when received from the host computer if paper is already positioned at the Top Of Form (TOF).
Chars:	Control*, Printable	Selects whether certain control character symbols are printed (emulation dependent) or are treated as control characters.
Min Buffer:	No*, Yes	Selects whether the smallest possible I/O buffer should be used.
Baud Rate:	110, 150, 300, 600, 1200, 2400, 4800, or 9600*	Selects baud rate for serial interface (Not available when Parallel/LAN is selected).
Data Bits:	7 or 8*	Selects number of data bits in Serial character frame and the number of significant data bits in each character received via all other interfaces.
Stop Bits:	1* or 2	Sets the number of stop bits to be used at the end of the serial character frame. Must be set to match the stop bit setting on the host computer.
Parity:	None*, Even or Odd	Selects parity checking requirements for Serial data bits. (Not available when Parallel/LAN is selected).
Busy:	Low* or High	Selects polarity of busy signal (pin 11 of RS-232C interface). Available only when serial is selected.
DTR:	Power On/Off*, Online/Offline or Busy/Not Busy	Selects condition reflected by DTR signal (pin 20 of RS-232C interface). Available only when serial is selected.
RTS/CTS:	Power On or Off*	Supports hardware handshaking for data flow control. For Host systems using Full-duplex communications.
XON/XOFF:	Off* or On	Enables or disables transmission of XON and XOFF characters from printer to host control data flow to printer. (Not available when Parallel/LAN is selected).
ETX/ACK:	Off* or On	Enables or disables ACK response to receipt of ETX character. (Not available when Parallel/LAN is selected).
<i>Parallel/LAN</i>		
Emulation:	Epson*, IBM Proprinter, DEC LA120/LA210, TTY, Printek, ANSI X3.64, Genicom 3840, Genicom 3410	Selects current emulation mode.
LAN Setup	Off* or On	Enables or disables LAN setup features.
IP Address Method:	Auto* or Static	Allows either the host to set IP Address or enter a specific IP Address from the printer's front panel. (LAN setup must be set to ON).
IP Address:	192.168.0.27*,...	Enter a specific IP Address from the printer's front panel. (Address Method must be set to Static).
Subnet Mask:	255.255.255.0*,...	Enter a specific Subnet IP Address from the printer's front panel. (Address Method must be set to Static).
IP Gateway:	192.168.0.0*,...	Enter a specific Gateway IP Address from the printer's front panel. (Address Method must be set to Static).
Auto. CR:	Off or On*	Enables or disables automatic Carriage Returns (CR) when a Line Feed (LF), Vertical Tab (VT), or Form Feed (FF) is received.
Auto. LF:	Off* or On	Enables or disables automatic Line Feed (LF) when a Carriage Return (CR) is received.
FF at TOF:	No* or Yes	Sets whether Form Feed (FF) occurs when received from the host computer if paper is already positioned at the Top Of Form (TOF).
Chars:	Control*, Printable	Selects whether certain control character symbols are printed (emulation dependent) or are treated as control characters.
Min Buffer:	No* or Yes	Selects whether the smallest possible I/O buffer should be used.

*Factory Default Setting

Configures Options

Options

Options Setup allows you to set operating variables and install optional products

Test

Test Setup allows you to access some testing as well as some record keeping

Functions	Possible Values	Description
Max. Form Allowed:	Form 0 ... Form 2* ...Form 9	Sets the last form to be displayed by operator select on with UNLOAD/CHANGE button or while in the Forms Menu.
Auto. Scroll Delay:	Off, 0, 1* ...15 Second Delay	Sets number of seconds to delay before scrolling top of form to tear bar when printer is idle and form boundary has been reached.
Paper Out Fault Action:	Finish Print*, Reprint Page, Break Page, Off	Selects whether a paper-out condition causes Page Break or allows you to Reprint Page.
Char. To Ignore:	0, ..., 255*	Allows a single 8-bit character to be discarded as it is received. (Ignore Character setting must be set to ON).
Ignore Char.:	Off* or On	Activates or deactivates the Character to Ignore feature.
Top of Barcode:	Off* or On	(Genicom Emulation only), this feature repositions the print head at the top of a barcode after the barcode has printed. When set to OFF, printing continues from the bottom of the barcode.
Top of Oversize:	Off* or On	(Genicom Emulation only), this feature repositions the print head at the top of the oversized characters after they have been printed. When set to OFF, printing continues from the bottom of the oversized characters.
User Language:	English*, French, or German	Selects the Front Panel language that will be used by the printer's LCD screen.
Reprint Page Size:	0, ...,8192*, ...,28672	Selects how much of the 32K byte input buffer is set as idle for reprinting a page when Finish Page or Reprint Page has been selected for the Paper Out Fault Action item.
Ribbon Checking:	On* or Off	Sets whether ribbon checking feature is active. Turning off may limit the warranty on print head. For more information, see "Using Special Features" in the User Manual and refer to warranty in "Printer Specifications" appendix.
Ribbon Life:	5...23*...30 million characters	Set number of characters in millions to be printed before "Change Ribbon" message is displayed. For more information, see "Using Special Features" in User Manual.
Truncate Line:	No* or Yes	Sets whether characters beyond the right margin are wrapped to the next line or truncated.

*Factory Default Setting

TEST

Functions	Possible Values	Description
Print the Menus:	No* or Current Values	Used to print a list of current values.
Test Mode:	Off*, Barber Pole, Hex Dump, Demos	When set to Barber Pole, printer will print a rotating character pattern. When set to Hex Dump, printer will print all received data in a special debug format, used by programmers to solve software problems. When set to Demos, printer will print sample invoices and barcodes demonstrating its printing capabilities.

*Factory Default Setting

Aligning Print

When a new form is loaded into the printer for the first time, it may be necessary to adjust where printing begins. If the print position needs to be adjusted, the following discussion will describe how this is accomplished. Note that alignment for the selected form is permanently stored in the printer's memory and does not have to be readjusted each time the form is loaded.

To align print on a particular form, select that form with the FORM SELECT button and then press either ALIGN button. If the form selected is named "Invoices", the display would show the following:

Aligning Print
On Invoices

After a short time, the display would change to show that you can now move Print left or right. Be sure to remember that *you are moving where the print is placed on the page.*

Move LEFT/RIGHT
Print ◀ 0.00" ▶

The VALUE buttons will move the print left or right in 1/100th inch increments. Note that the left and right arrows will change according to which way the print has been moved from the normal print position. The maximum distance print may be moved is 9.99 inches in either direction.

To move the print vertically on the page, press either ALIGN button and the display will change to the following:

Move DOWN/UP
Print 0.00" ↓ ↑

The VALUE buttons will move the print up or down in 1/100th inch increments. Note again that the arrow will change according to the direction the print is to be moved from the normal print position. The maximum distance print may be moved is 9.99 inches in either direction.

Example:

In this example, a number needs to be printed in a box on a preprinted form. This form could be a packing list, an invoice, a check, etc. The first time the page is printed, the number misses the box as shown below.

12345
□

In this case, the print needs to be moved to the right and down. To accomplish this, press either ALIGN button and access the LEFT/RIGHT option. First move the print to the right using the VALUE button. It appears the text needs to move about three characters. If the text is being printed at 10cpi, this would be 0.30 inches. After making this adjustment the display would look as follows.

LEFT/RIGHT
— 0.30" →

If you were to print this form now, it would appear as follows, showing that the print still needs to be moved.

12345
□

To move the print down, access the DOWN/UP option by pressing either ALIGN button. It appears that the print needs to be moved down nearly the height of the characters. These characters are approximately 0.10 inches tall, so move the print down about 0.08 inches. The display should look as follows.

DOWN/UP
0.08" ↓

Note, when the form is printed again, the text will be printed in the box as shown here.

12345
□