A

ASCII Text

Description Renders an ASCII text string to the image print buffer. See *Text (Fonts) on page 28* for discussion on text handling in Page Mode programming.

Asian language EPL2 Page Mode printers have special firmware and printer (PCBA) memory order options to support the large Asian character (ideogram) sets.

The Latin (English, etc.) font sets (1-5, a-z, and A-Z) are single-byte (8 bits per byte) ASCII character maps. The Asian characters are double-byte mapped characters. The printed Asian character is dependent on the double-byte ASCII values.

Syntax $Ap_1, p_2, p_3, p_4, p_5, p_6, p_7, "DATA"$

Parameters This table identifies the parameters for this format:

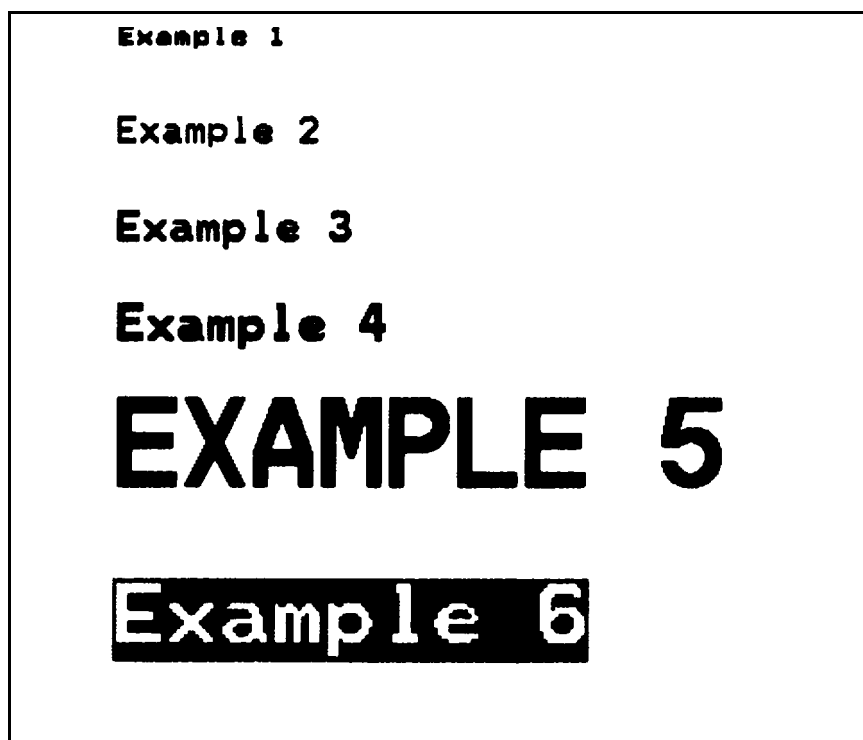| Parameters	Details
p_1 = Horizontal start position	Horizontal start position (X) in dots.
p_2 = Vertical start position	Vertical start position (Y) in dots.

p_3 = Rotation	Characters are organized vertically from left to right and then rotated to print.
	
	 Accepted Values:
	    0 = normal (no rotation)
	    1 = 90 degrees
	    2 = 180 degrees
	    3 = 270 degrees
	
	 Rotation for Asian Printers Only
	 Characters are organized horizontally from top to bottom and then rotated to print. Asian printers support both horizontal and vertical character rotation.
	
	 Accepted Values: (Asian Printers Only)
	    4 = normal (no rotation)
	    5 = 90 degrees
	    6 = 180 degrees
	    7 = 270 degrees

Parameters	Details
p_4 = Font selection	

Value	Description	
	203 dpi	**300 dpi**
1	20.3 cpi, 6 pts, (8 x 12 dots)	25 cpi, 4 pts, (12 x 20 dots)
2	16.9 cpi, 7 pts, (10 x 16 dots)	18.75 cpi, 6 pts, (16 x 28 dots)
3	14.5 cpi, 10 pts, (12 x 20 dots)	15 cpi, 8 pts, (20 x 36 dots)
4	12.7 cpi, 12 pts, (14 x 24 dots)	12.5 cpi, 10 pts, (24 x 44 dots)
5	5.6 cpi, 24 pts, (32 x 48 dots)	6.25 cpi, 21 pts, (48 x 80 dots)
A - Z	Reserved for Soft Font storage.	
a-z	Reserved for printer driver support for storage of user-selected Soft Fonts.	
6	Numeric Only (14 x 19 dots)	Numeric Only (14 x 19 dots)
7	Numeric Only (14 x 19 dots)	Numeric Only (14 x 19 dots)

	Asian Printers	
8	**Simplified Chinese, Japanese, Korean** 203 dpi fonts : 24 x 24 dots 300 dpi Double-byte fonts: 36 x 36 dots 300 dpi Single-byte fonts: 24 x 26 dots	
9	**Traditional Chinese, Japanese** 300 dpi Double-byte fonts: 36 x 36 dots 300 dpi Single-byte fonts: 24 x 26 dots **Korean - Reserved**	

- Fonts 1-5 are fixed pitch.
- Asian language option printers support a single language with fonts 8 and 9.

Parameters	Details
p_5 = Horizontal multiplier	Horizontal multiplier expands the text horizontally. *Accepted Values:* 1–6, 8
p_6 = Vertical multiplier	Vertical multiplier expands the text vertically. *Accepted Values:* 1–9
p_7 = Reverse image	*Accepted Values:* N = normal R = reverse image
DATA = Fixed data field	Fixed data field The backslash (\) character designates the following character is a literal and will encode into the data field.

To Print	Enter into data field
"	\"
"Company"	\"Company\"
\	\\
\code\	\\code\\

Example • In this example, font 5 only supports upper case characters. Refer to Appendix B, Character References, for a complete listing of available fonts and character sets supported.

```
N↵
A50,0,0,1,1,1,N,"Example 1"↵
A50,50,0,2,1,1,N,"Example 2"↵
A50,100,0,3,1,1,N,"Example 3"↵
A50,150,0,4,1,1,N,"Example 4"↵
A50,200,0,5,1,1,N,"EXAMPLE 5"↵
A50,300,0,3,2,2,R,"Example 6"↵
P1↵
```

The code above will produce this label:

Note • Use the LE command to create reverse print text instead of the "R" in the A command parameter p_7. This is the recommend method because it provides the best size, position, and centering of the black line (rectangle) bordering the reversed text.