

EPSON[®] ESC/P[®]

Reference Manual

**DFX-8500
FX-880/1180, FX-980, FX-2180
LQ-2080, LQ-2180**

1998 Addendum

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This addendum contains information relevant to EPSON Serial Impact Dot Matrix printers introduced from 1997 onward. This document covers the following EPSON models:

FX-880, FX-980, FX-1180, FX-2180, DFX-8500, LQ-2080, and the LQ-2180.

These printers feature the following enhancements:

- **Since July 1998 Code Page PC 858 and ISO 8859-15 support, specifically providing code page support for the Euro Dollar symbol;**
- **Increased draft printing speed through the addition of Super Draft print capability;**
- **Enhanced paper loading modes for a wide variety of media (auto cut on/off, feed paper to tear-off position);**
- **Greater flexibility in form printing, allowing up to 1 original and 6 copies;**
- **Wider range of business printing due to an increase in the character tables built into the ROM.**

Additionally, two new or enhanced EPSON ESC/P commands (*ESC EM n* & *ESC y n*) have been added. These commands are discussed on pages 12 and 13.

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FX-880

Year introduced: 1997
Market: America, Europe, Pacific

Built-in features

Print method	9-pin impact
Speed	NLQ 77 cps @ 10 cpi 94 cps @ 12 cpi Draft 310 cps @ 10 cpi 372 cps @ 12 cpi High-speed draft 410 cps @ 10 cpi 455 cps @ 12 cpi
Print width	8 inches
Paper types	Continuous, Single sheets, Multipart paper, Envelopes, Labels, Roll Paper
Multipart forms	Original plus 5 copies
Paper paths	Rear, Bottom, Front
Tractor	Push
Paper parking	Available
Buffer size	32KB or 0KB
Interface	Bi-directional 8-bit Parallel (IEEE-1284 nibble mode supported), Type B Optional Interface Slot
Fonts (typefaces)	EPSON Draft, EPSON Roman, EPSON Sans Serif
Bar codes	EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128, POSTNET
Nonprintable area	4.2 mm at the top and bottom of single sheets

Options (with model numbers)

Cut-sheet feeders	C80637* (Single-bin), C80638* (High-capacity)
Tractor	C80020* (Pull)
Roll-paper holder	#8310
Front Paper Guide	C81402*
Front Sheet Guide	C81400*
Interfaces	C82305*, C82306*, C82313*, C82307*, C82308*, C82312*, C82314*, C82315*, C82345*, C82362*, C82363*, C82364*
Ribbon	#8750 (Fabric)

*The last digit of the option model number varies by country.

FX-880 default-setting mode

Setting	Options
Character table	Italic, PC437 , PC437 Greek*, PC708* ¹ , PC720* ¹ , PC774*, PC850, PC852*, PC853*, PC855*, PC857*, PC860* ¹ , PC861* ¹ , PC863*, PC865* ¹ , PC866 LAT*, PC 866 UKR* ¹ , PC869*, PCAPTEC* ¹ , PCAR864* ¹ , Abicom, Bulgaria*, BRASCII, Estonia*, ISO Latin 1, ISO Latin 1T*, ISO 8859-2*, ISO 8859-7*, PC866, MAZOWIA*, code MJK*, Roman 8, PC858 ² , ISO 8859-15 ²
International character set for italics table	Italic U.S.A. , Italic France, Italic Germany, Italic U.K., Italic Denmark 1, Italic Sweden, Italic Italy, Italic Spain 1
Page length (for continuous paper)	3 inch, 3.5 inch, 4 inch, 5.5 inch, 6 inch, 7 inch, 8 inch8.5 inch, 11 inch , 70/6 inch, 12 inch, 14 inch, 17 inch
Skip-over-perforation	On or Off
Automatic tear-off	On or Off
Auto Line Feed	On or Off
Print Direction	Bi-directional or Unidirectional
Software	EPSON ESC/P or IBM 2380 Plus
I/F mode	Auto , Parallel, Optional
Auto I/F wait time	10 or 30 sec
Shape of zero	No Slash through zero (0) or Slash through zero (Ø)
Buffer	Enable or Disable
Buzzer	Off or On
High Speed Draft	Off, On(10cpi) , On(12cpi)
Auto carriage return	On or Off †
IBM Character Table	Table 1 or Table 2 †

*Availability varies by country.

¹ Available with G1xxxx firmware update

² Available with G2xxxx firmware update

†This setting is available only in IBM mode.

Settings in Bold indicate the standard factory setting

FX-980

Year introduced: 1999
Market: America, Europe, Pacific

Built-in features

Print method	18-pin impact		
Speed	NLQ	95 cps @ 10 cpi	114 cps @ 12 cpi
		94 cps @ 15 cpi	81 cps @ 17 cpi
		95 cps @ 20 cpi	
	Draft	380 cps @ 10 cpi	455 cps @ 12 cpi
	High-speed draft	506 cps @ 10 cpi	380 cps @ 15 cpi
		569 cps @ 15 cpi	569 cps @ 12 cpi
		506 cps @ 20 cpi	560 cps @ 17 cpi
Print width	8 inches		
Paper types	Continuous, Single sheets, Multipart paper, Envelopes, Cards, Labels, Roll Paper		
Multipart forms	Original plus 5 copies (6 copies with pull tractor feed)		
Paper paths	Rear, Bottom, Front		
Tractor	Push, pull, friction		
Paper parking	Available		
Buffer size	64KB or 0KB		
Interface	Bi-directional 8-bit Parallel (IEEE-1284 nibble mode supported), Type B Optional Interface Slot (level 2), Serial Interface		
Fonts (typefaces)	EPSON Draft, EPSON Roman, EPSON Sans Serif		
Bar codes	EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128, POSTNET		
Nonprintable area	4.2 mm at the top and bottom of single sheets		

Options (with model numbers)

Cut-sheet feeders	C806841 ¹ /C806842 ² (high capacity), C806851 ¹ /C806852 ² (bin 2)
Tractor	C800331 ¹ /C800332 ² (Pull)
Roll-paper holder	#8310
Interfaces	C82307*, C82308*, C82312*, C82313*, C82314*, C82315*, C82345*, C82362*, C82363*/C82364*
Ribbon	S015091-0036 (cartridge), S010036-0036 (pack)

¹EAI Version

²Non-EAI Version

*The last digit of the option model number varies by country.

FX-980 default-setting mode

Setting	Options
Character table	Italic, PC437 , PC437 Greek*, PC708*, PC720*, PC774*, PC850, PC852*, PC853*, PC855*, PC857*, PC860, PC861, PC863, PC865, PC866 LAT*, PC 866 UKR*, PC869*, PCAPTEC*, PCAR864*, Abicom, Bulgaria*, BRASCI, Estonia*, ISO Latin 1, ISO Latin 1T*, ISO 8859-2*, ISO 8859-7*, PC866*, MAZOWIA*, code MJK*, Roman 8, PC858, ISO 8859-15
International character set for italics table	Italic U.S.A. , Italic France, Italic Germany, Italic U.K., Italic Denmark 1, Italic Sweden, Italic Italy, Italic Spain 1, Italic Japan, Italic Norway, Italic Denmark 2, Italic Spain 2, Italic Latin America
Page length (for continuous paper)	3 inch, 3.5 inch, 4 inch, 5.5 inch, 6 inch, 7 inch, 8 inch, 8.5 inch, 11 inch , 70/6 inch, 12 inch, 14 inch, 17 inch, Other
Skip-over-perforation	On or Off
Automatic tear-off	On or Off
Auto Line Feed	On or Off
Print Direction	Bi-directional or Unidirectional
Software	EPSON ESC/P or IBM 2380 Plus
I/F mode	Auto , Parallel, Serial, Optional
Auto I/F wait time	10 or 30 sec
Shape of zero	No Slash through zero (0) or Slash through zero (Ø)
Buffer	On or Off
Buzzer	Off or On
High Speed Draft	Off or On
Auto carriage return	On or Off †
IBM Character Table	Table 1 or Table 2 †

*Availability varies by country. † This setting is available only in IBM mode.

Settings in Bold indicate the standard factory setting

FX-1180

Year introduced: 1998
Market: America, Europe, Pacific

Built-in features

Print method	9-pin impact
Speed	NLQ 77 cps @ 10 cpi 94 cps @ 12 cpi Draft 310 cps @ 10 cpi 372 cps @ 12 cpi High-speed draft 410 cps @ 10 cpi 455 cps @ 12 cpi
Print width	13.6 inches
Paper types	Continuous, Single sheets, Multipart paper, Envelopes, Labels, Roll Paper
Multipart forms	Original plus 5 copies
Paper paths	Rear, Bottom, Front
Tractor	Push
Paper parking	Available
Buffer size	32KB or 0KB
Interface	Bi-directional 8-bit Parallel (IEEE-1284 nibble mode supported), Type B Optional Interface Slot
Fonts (typefaces)	EPSON Draft, EPSON Roman, EPSON Sans Serif
Bar codes	EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128, POSTNET
Nonprintable area	4.2 mm at the top and bottom of single sheets

Options (with model numbers)

Cut-sheet feeders	C80639* (Single-bin), C80640* (High-capacity)
Tractor	C80021* (Pull)
Front sheet guide	C81401*
Front paper guide	C81403*
Interfaces	C82305*, C82306*, C82307*, C82308*, C82312*, C82313*, C82314*, C82315*, C82345*, C82362*, C82363*, C82364*
Ribbon	8755 (Fabric)

*The last digit of the option model number varies by country.

FX-1180 default-setting mode

This printer has no DIP switches; however, the following settings can be made in a special default-setting mode.

Setting	Options
Character table	Italic, PC437, PC437 Greek*, PC708*, PC720*, PC774*, PC850, PC852*, PC853*, PC855*, PC857*, PC858 ² , PC860, PC861, PC863, PC865, PC866, PC866 LAT*, PC 866 UKR*, PC869*, PCAPTEC*, PCAR864*, Abicomp, Bulgaria*, BRASCII, Estonia*, ISO Latin 1, ISO Latin 1T*, ISO 8859-2*, ISO 8859-7*, ISO 8859-15 ² , MAZOWIA*, code MJK*, Roman 8,
Page length (for continuous paper)	3, 3.5, 4, 5.5, 6, 7, 8, 8.5, 11, 12, 14, 17, or 70/6 (A4) inches
Skip-over-perforation	On or Off
Automatic tear-off	On or Off
Auto Line Feed	On or Off
Print Direction	Bi-directional or Unidirectional
Software	EPSON ESC/P or IBM 2381 Plus
I/F mode	Auto , Parallel, Optional
Auto I/F Wait Time	10 or 30 sec.
Shape of zero	No Slash through zero (0) or Slash through zero (Ø)
Buffer	Enable or Disable
Buzzer	Off or On
High Speed Draft	Off, On(10cpi) , On(12cpi)
Auto carriage return	On or Off †
IBM Character Table	Table 1 or Table 2 †

*Availability varies by country.

² Available with G2xxxx firmware update

†This setting is available only in IBM mode.

Settings in Bold indicate the standard factory setting

FX-2180

Year introduced: 1998
Market: America, Europe, Pacific

Built-in features

Print method	18-pin impact
Speed	NLQ 95 cps @ 10 cpi 114 cps @ 12 cpi Draft 380 cps @ 10 cpi 455cps @ 12 cpi High-speed draft 506 cps @ 10 cpi
Print width	13.6 inches
Paper types	Continuous, Single sheets, Envelopes, Labels, Cards, Roll paper
Multipart forms	Original plus 5 copies Original plus 6 copies with pull tractor
Paper paths	Rear, Bottom, Front
Tractor	Push, Pull
Paper parking	Available
Buffer size	0KB or 64KB
Interface	Bi-directional Parallel (IEEE-1284 nibble mode supported) Type B Optional Interface Slot
Fonts (typefaces)	EPSON Draft, EPSON Roman, EPSON Sans Serif
Bar codes	EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128, POSTNET
Nonprintable area	4.2 mm at the top and bottom of single sheets

Options (with model numbers)

Cut-sheet feeders	C80673* (High-capacity), C80674* (Second-bin)
Pull tractor unit	C80032*
Roll paper holder	#8310
Interfaces	C82305*, C82306*, C82307*, C82308*, C82312*, C82313*, C82314*, C82315*, C82345*, C82362*, C82363*, C82364*
Ribbon	S015086 (Cartridge), S010033 (Pack)

*The last digit of the option model number varies by country.

FX-2180 default-setting mode

This printer has no DIP switches; however, the following settings can be made in a special default-setting mode.

Setting	Options
Page length for front tractor	3, 3.5, 4, 5.5, 6, 7, 8, 8.5, 11, 70/6, 12, 14, 17, or Others inches
Page length for rear tractor	3, 3.5, 4, 5.5, 6, 7, 8, 8.5, 11, 70/6, 12, 14, 17, or Others inches
Skip-over-perforation	On or Off
Auto tear off	On or Off
Auto line feed	On or Off †
Print direction	Bi-directional or Uni-directional
I/F mode	Auto, Parallel, or Optional
Auto I/F wait time	10 or 30 sec.
Software	ESC/P or IBM 2381 Plus
Character table	Italic, PC437, PC437 Greek*, PC708 ¹ , PC720 ¹ , PC774*, PC850, PC852*, PC853*, PC855*, PC857*, PC858 ^{1,2} , PC860, PC861, PC863 ² , PC865, PC866, PC866UKR ¹ , PC866 LAT*, PC869*, PCAPTEC ¹ , PCAR864 ² , BRASCII ² , Abicomp ² , Roman 8 ² , ISO Latin 1 ² , ISO 8859-2*, MAZOWIA*, Code MJK*, ISO 8859-7*, ISO 8859-15 ^{1,2} , ISO Latin 1T*, Bulgaria*, Estonia*
International character set	U.S.A., France, Germany, U.K., Denmark 1, Sweden, Italy, Spain 1
0 slash	No Slash through zero (0) or Slash through zero (Ø)
High speed draft	Off or On
Input buffer	On or Off
Buzzer	On or Off
Auto CR	On or Off †
IBM character table	Table 1 or Table 2 †

*Availability varies by country.

¹ Available with G1xxxx & G2xxxx firmware update

² Available with G2xxxx firmware update

†This setting is available only in IBM mode.

DFX-8500

Year introduced: 1998
Market: America, Europe, Pacific

Built-in features

Print method	18-pin impact
	Normal Duty Heavy Duty
Speed	NLQ 210 cps @ 10 cpi 200 cps @ 10 cpi
	NLQ 252 cps @ 12 cpi 240 cps @ 12 cpi
	Draft 840 cps @ 10 cpi 800 cps @ 10 cpi
	Draft 1008 cps @ 12 cpi 960 cps @ 12 cpi
	High-speed draft
	@10 cpi 1120 cps 1066 cps
Print width	13.6 inches
Paper types	Multi-part forms, Overlapping multi-part forms, Continuous forms with label, Continuous paper, Labels
Form Feeding	Front tractor: original plus 6 copies; Rear tractor: original plus 5 copies
Multipart Forms	1 original + 6 copies
Paper paths	Rear, Front
Tractors	Push (front and rear), Push & Pull (front & rear)
Paper parking	Available
Buffer size	128KB
Interface	Bi-directional Parallel (IEEE-1284 nibble mode supported), Serial Interface, Type B Optional Interface Slot
Fonts (typefaces)	Epson Draft, Roman, Sans Serif

Options (with model numbers)

Tractor	C8309 (Pull)
Paper cutter	C81500*
Peforation Cutter	C81507*
Interfaces	C82305*, C82306*, C82307*, C82308*, C82312*, C82313*, C82314*, C82315*, C82345*, C82362*, C82364*
Ribbon	#8766 (Fabric)

*The last digit of the option model number varies by country.

DFX-8000 DIP-switch settings

DIP SW #	Function	Switch Position	
		OFF	ON
1-1 ~ 1.6	Select Character Tables	See Printer Manual for Details	Default is All Off
1-7	Skip over Perforation	Inactive	Active
1-8	Print Direction	Bi-directional	Uni-directional
2.1 ~ 2.4	Page Length for Front Tractor	See Printer Manual for Details	Default is All Off
2.5 ~ 2.8	Page Length for Rear Tractor	See Printer Manual for Details	Default is All Off
3.1	Auto tear off	Inactive	Active
3.2	Slash thru Zero	Inactive	Active
3.3	Auto line feed	Inactive	Active
3.4	Buzzer	Active	Inactive
3.5	Auto CR (IBM 2381 Plus)	Inactive	Active
3.6	IBM character table	See Printer Manual for Details	Default is All Off
3.7	Auto cut mode	Inactive	Active
3.8	Software	ESC/P	IBM 2381 Plus
4.1	Input buffer	Active	Inactive
4.2	Auto I/F wait time	10 sec.	30 sec.
4.3 ~ 4.4	I/F mode	See Printer Manual for Details	Default is All Off
4.5 ~ 4.6	Serial parity		
4.7 ~ 4.8	Serial baud rate		
5.1	Overlapping multi-part forms	Inactive	Active
5.2	Continuous with labels	Inactive	Active
5.3	Skip over binding	Inactive	Active
5.4	Paper memory	Memory a	Memory b
5.7 ~ 5.8	(reserved)	-	-

LQ-2080

Year introduced: 1999
Market: America, Europe, Pacific

Built-in features

Print method	24-pin impact
Speed	LQ Condensed 171 cps @ 17 cpi 200 cps @ 20 cpi LQ 100 cps @ 10 cpi 120 cps @ 12 cpi 150 cps @ 15 cpi Draft Condensed 257 cps @ 17 cpi 300 cps @ 20 cpi Draft 300 cps @ 10 cpi 360 cps @ 12 cpi 450 cps @ 15 cpi High-speed draft 400 cpi @ 10 cpi
Print width	13.6 inches
Paper types	Continuous, Single sheets, Multipart forms, Envelopes, Labels, Cards, Roll paper
Multipart forms	Original plus 4 copies
Paper paths	Front, Rear, Bottom In, Top Out
Tractors	Push, Pull
Paper parking	Available
Buffer size	0KB or 64KB
Interface	Bi-directional parallel (IEEE-1284 nibble mode supported) Type B Optional Interface Slot (level 2)
Fonts (typefaces)	EPSON Draft, EPSON Roman, EPSON Sans Serif, EPSON Courier, EPSON Prestige, EPSON Script, EPSON OCR B, EPSON Orator, EPSON Orator S, EPSON Script C, EPSON Roman T, EPSON Sans Serif H
Bar codes	EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128, POSTNET
Nonprintable area	4.2 mm at the top and bottom of single sheets

Options (with model numbers)

Cut-sheet feeders	C80673* (High-capacity), C80674* (Second-bin)
Pull tractor unit	C80032*
Roll paper holder	#8310
Interfaces	C82305*, C82306*, C82307*, C82308*, C82312*, C82313*, C82314*, C82315*, C82345*, C82362*, C82363*, C82364*
Ribbons	S015086 (Cartridge), S010033 (Pack)

*The last digit of the option model numbers shown above as an asterisk varies by country.

LQ-2080 default-setting mode

This printer has no DIP switches; however, the following settings can be made in a special default-setting mode.

Setting	Options
Page length for front tractor	3, 3.5, 4, 5.5, 6, 7, 8, 8.5, 11, 70/6, 12, 14, 17, or Others inches
Page length for rear tractor	3, 3.5, 4, 5.5, 6, 7, 8, 8.5, 11, 70/6, 12, 14, 17, or Others inches
Skip-over-perforation	On or Off
Auto tear off	On or Off
Auto line feed	On or Off
Print direction	Auto, Bi-d or Uni-d
I/F mode	Auto, Parallel, or Option
Auto I/F wait time	10 or 30 sec.
Software	ESC/P 2 or IBM 2391 Plus
Character table	Italic, PC437, PC437 Greek*, PC708*, PC720*, PC774*, PC850, PC852*, PC853*, PC855*, PC857*, PC858, PC860, PC861, PC863, PC864*, PC865, PC866*, PC866 LAT*, PC866 UKR, PC869*, PCAPTEC, PCAR864, BRASCI1, Abicomp, Roman 8, ISO Latin 1, ISO 8859-2*, MAZOWIA*, Code MJK*, ISO 8859-7*, ISO 8859-15, ISO Latin 1T*, Bulgaria*, Estonia*
International character set	U.S.A., France, Germany, U.K., Denmark 1, Sweden, Italy, Spain 1
0 slash	On or Off
High speed draft	On or Off
Input buffer	On or Off
Buzzer	On or Off
Auto CR	On or Off †
A.G.M.	On or Off †
Font	OCR-B, Orator, Orator-S, Script C, Roman T, Sans Serif H
Roll paper	On or Off

* Availability varies by country.

† This setting is available only in IBM mode.

LQ-2180

Year introduced: 1999
Market: America, Europe, Pacific

Built-in features

Print method	24-pin impact
Speed	LQ Condensed 204 cps @ 17 cpi 238 cps @ 20 cpi LQ 120 cps @ 10 cpi 143 cps @ 12 cpi 179 cps @ 15 cpi Draft Condensed 308 cps @ 17 cpi 359 cps @ 20 cpi Draft 360 cps @ 10 cpi 431 cps @ 12 cpi 539 cps @ 15 cpi High-speed draft 480 cps @ 10 cpi
Print width	13.6 inches
Paper types	Continuous, Single sheets, Multipart forms, Envelopes, Labels, Cards, Roll paper
Multipart forms	Original plus 5 copies
Paper paths	Front, Rear, Bottom
Tractors	Push, Pull, Friction
Paper parking	Available
Buffer size	0KB or 64KB
Interface	Bi-directional parallel (IEEE-P1284 nibble mode supported) Type B Optional Interface Slot (level 2)
Fonts (typefaces)	EPSON Draft, EPSON Roman, EPSON Sans Serif, EPSON Courier, EPSON Prestige, EPSON Script, EPSON OCR B, EPSON Orator, EPSON Orator S, EPSON Script C, EPSON Roman T, EPSON Sans Serif H
Bar codes	EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128, POSTNET
Nonprintable area	4.2 mm at the top and bottom of single sheets

Options (with model numbers)

Cut-sheet feeders	C80673* (High-capacity), C80674* (Second-bin)
Pull tractor unit	C80032*
Roll paper holder	#8310
Interfaces	C82305*, C82306*, C82307*, C82308*, C82312*, C82313*, C82314*, C82315*, C82345*, C82362*, C82363*, C82364*
Ribbons	S015086 (Cartridge), S010033 (Pack)

*The last digit of the option model numbers shown above as an asterisk varies by country.

LQ-2180 default-setting mode

This printer has no DIP switches; however, the following settings can be made in a special default- setting mode.

Setting	Options
Page length for front tractor	3, 3.5, 4, 5.5, 6, 7, 8, 8.5, 11, 70/6, 12, 14, 17 inches
Page length for rear tractor	3, 3.5, 4, 5.5, 6, 7, 8, 8.5, 11, 70/6, 12, 14, 17 inches
Skip-over-perforation	On or Off
Auto tear off	On or Off
Auto line feed	On or Off
Print direction	Auto, Bi-d or Uni-d
I/F mode	Auto, Parallel, or Optional
Auto I/F wait time	10 or 30 sec.
Software	ESC/P 2 or IBM 2391 Plus
Character table	Italic, PC437, PC850, PC437 Greek*, PC853*, PC855*, PC852*, PC857*, PC864*, PC866*, PC869*, MAZOWIA*, Code MJK*, ISO 8859-7*, ISO Latin 1T *, Bulgaria*, PC774*, Estonia*, ISO 8859-2*, PC866 LAT*, PC866 UKR*, PC APTEC*, PC708*, PC720*, PCAR864*, PC860, PC865, PC861, PC863, BRASCLII, Abicomp, Roman8, ISO Latin 1, PC858, ISO 8859-15
International character set	U.S.A., France, Germany, U.K., Denmark 1, Sweden, Italy, Spain 1
0 slash	On or Off
High speed draft	On or Off
Input buffer	On or Off
Buzzer	On or Off
Auto CR	On or Off †
A.G.M.	On or Off †
Font	OCR-B, Orator, Orator-S, Script C, Roman T, Sans Serif H
Roll paper	On or Off

* Availability varies by country.

† This setting is available only in IBM mode.

ESC y n *Draft / Super Draft selection*

Format

1BH, 79H, n

Parameter range

n=00H, 01H, 30H, 31H
n is masked MSB.

Function

- 1) Select Normal draft or Super draft, according to the parameters below:
 - n=00H or 30H : Normal Draft
 - n=01H or 31H : Super Draft
- 2) When Super Draft is selected, the printer will default to normal draft if all the following conditions are not met:
 - 10cpi select (ESC P)
 - Draft selection (ESC x 0)
 - Cancel bold (ESC F)
 - Cancel condensed (DC2)
 - Cancel intercharacter space
 - Cancel HMI (ESC c) (for 24 pin printers)
 - Cancel super script / sub script (ESC T)
 - Cancel italic character (ESC 5) (for 9 pin printers)
 - Cancel double strike (ESC H) (for 9 pin printers)
 - Cancel double height character (ESC w 0) (for 9 pin printers)
 - Cancel Multi Point Font (for 24 pin printers)
 - Cancel justification (ESC a 0) (for 9 pin printers)
 - No D/L character in the line
 - No bit image in the line (for 9 pin printers)
 - No Barcode in the line (for 9 pin printers)

Printers featuring this Command

All SIDM printers shipped since January 1998

The following printers support Draft / Super Draft selection:

FX-880/1180
FX-980
DFX-8500
FX-2180
LQ-2180
LQ-2080

ESC EM n (for 9pin version : Bold characters = New Parameters)

Name Control paper loading / ejecting

Format 1BH19Hn

Parameter range

n=30H31H32H34H41H42H43H46H52H56H
(=0124ABFRV)
n is masked MSB.

- Function
- 1) Controls feeding of continuous and single-sheet paper, according to the parameter below.
 - n=30H : Exits cut-sheet feeder mode
 - n=31H : Select loading from bin 1 of the cut-sheet feeder
 - n=32H : Select loading from bin 2 of the cut-sheet feeder
 - n=34H : Enters cut-sheet feeder mode
 - n=41H : Select Auto cut mode on/off**
 - n=42H : Loads paper from the rear tractor
 - n=43H : Feeds the paper to the tear-off position**
 - n=46H : Loads paper from the front tractor
 - n=52H : Ejects one sheet of single-sheet paper
 - n=56H : Select ESC EM C command valid/Invalid**
 - 2) The parameter "0" and "4" that control cut-sheet feeder mode are non-recommended.
 - 3) The bin selection is effect to the next sheet.
 - 4) ESC EM R cancels one-line double-width printing selected with the SO or ESC SO commands.
 - 5) If n=43H and the vertical position is not TOF(Top Of Form), the printer does FF and feeds to tear-off position same as tear-off switch.
 - 10) If n=41H, it gets the next 1 byte as a following parameter. The next parameter m means as follows.
 - m=00H : Auto cut mode invalid
 - m=01H : Auto cut mode valid
 - 11) If n=56H, it gets the next 1 byte as a following parameter. The next parameter m means as follows.
 - m=00H : Ignore ESC EM C command
 - m=01H :Not ignore ESC EM C command

Support Printer DFX-8500

ISO 8859-15

	0	10	20	30	40	50	60	70	80	90	A0	B0	C0	D0	E0	F0
0			SP	0	@	P	`	p			nbsp	°	À	Ð	à	ð
1			!	1	A	Q	a	q			ı	±	Á	Ñ	á	ñ
2			"	2	B	R	b	r			ø	²	Â	Ò	â	ò
3			#	3	C	S	c	s			£	³	Ã	Ó	ã	ó
4			\$	4	D	T	d	t			€	ž	Ä	Ô	ä	ô
5			%	5	E	U	e	u			¥	μ	Å	Õ	å	õ
6			&	6	F	V	f	v			§	¶	Æ	Ö	æ	ö
7			'	7	G	W	g	w			§	·	Ç	×	ç	×
8			(	8	H	X	h	x			š	ž	È	Ø	è	ø
9			)	9	I	Y	i	y			©	¹	É	Ù	é	ù
A			*	:	J	Z	j	z			ª	º	Ê	Û	ê	û
B			+	;	K	[	k	{			«	»	Ë	Ü	ë	ü
C			,	<	L	\	l	|			¬	œ	Ì	Û	ì	ü
D			-	=	M	]	m	}			shy	œ	Í	Ý	í	ý
E			.	>	N	^	n	~			®	ÿ	Î	Þ	î	þ
F			/	?	O	_	o				—	¿	Ï	ß	ï	ÿ

PC 858

	0	10	20	30	40	50	60	70	80	90	A0	B0	C0	D0	E0	F0
0		▶	SP	0	@	P	`	p	Ç	É	á	▒	L	ø	Ó	-
1	☺	◀	!	1	A	Q	a	q	ü	æ	í	▒	⊥	Ð	ß	±
2	☹	↑	"	2	B	R	b	r	é	Æ	ó	▒	⊥	È	Ô	=
3	♥	||	#	3	C	S	c	s	â	ô	ú	|	⊥	Ë	Õ	¾
4	♦	¶	\$	4	D	T	d	t	ã	õ	ñ	⊥	-	È	ó	¶
5	♣	§	%	5	E	U	e	u	à	ò	Ñ	À	⊥	€	Õ	§
6	♠	-	&	6	F	V	f	v	ã	û	ã	À	á	í	μ	+
7	•	‡	'	7	G	W	g	w	ç	ù	õ	À	À	î	þ	,
8	▣	↑	(	8	H	X	h	x	ê	ÿ	¿	©	ℒ	ï	þ	°
9	◦	↓	)	9	I	Y	i	y	ë	Ö	®	¶	ℒ	⌋	Û	˘
A	▣	→	*	:	J	Z	j	z	è	Ü	¬	||	ℒ	⌋	Ü	˙
B	♂	←	+	;	K	[	k	{	ï	ø	½	¶	⌋	▣	Ü	¹
C	♀	⌋	,	<	L	\	l	|	î	£	¼	¶	⌋	▣	ý	º
D	♪	↔	-	=	M	]	m	}	ı	Ø	ı	ø	=	ı	Ý	²
E	♫	▲	.	>	N	^	n	~	Ä	x	«	¥	⌋	ı	—	▣
F	☼	▼	/	?	O	_	o	△	Å	f	»	¬	▣	ı	˘	

Table 1
SIDM ESC/P 2 Command Summary for 24-Pin Printers

	S: Standard model	N: NLSP model	1999			
			S	N	S	N
			LQ-2080	LQ-2080	LQ-2180	LQ-2180
* BEL	Beeper					
* BS	Backspace					
HT	Tab horizontally		✓	✓	✓	✓
LF	Line feed		✓	✓	✓	✓
VT	Tab vertically		✓	✓	✓	✓
FF	Form feed		✓	✓	✓	✓
CR	Carriage return		✓	✓	✓	✓
SO	Select double-width printing (one line)		✓	✓	✓	✓
SI	Select condensed printing		✓	✓	✓	✓
* DC1	Select printer					
DC2	Cancel condensed printing		✓	✓	✓	✓
* DC3	Deselect printer					
DC4	Cancel double-width printing (one line)		✓	✓	✓	✓
* CAN	Cancel line					
* ESC SO	Select double-width printing (one line)					
* ESC SI	Select condensed printing					
ESC EM	Control paper loading/ejecting		✓	✓	✓	✓
	0 Exit cut-sheet feeder mode					
	1 Select bin 1					
	2 Select bin 2					
	4 Select cut-sheet feeder mode					
	B Load paper from rear tractor					
	F Load paper from front tractor					
	R Eject a sheet of paper					
ESC Space	Set intercharacter space		✓	✓	✓	✓
ESC !	Master select		✓	✓	✓	✓
* ESC #	Cancel MSB control					
ESC |	EEPROM write, etc.		✓	✓	✓	✓
ESC ¥			✓	✓		
ESC \$	Set absolute horizontal position		✓	✓	✓	✓
ESC %	Select user-defined characters		✓	✓	✓	✓
ESC &	Define user-defined characters		✓	✓	✓	✓
ESC (-	Select line/score		✓	✓	✓	✓
ESC (B	Bar Code setup and print		✓	✓	✓	✓
ESC (C	Set page length in defined unit		✓	✓	✓	✓
ESC (G	Select graphics mode		✓	✓	✓	✓
ESC (U	Set unit		✓	✓	✓	✓
ESC (V	Set absolute vertical print position		✓	✓	✓	✓
ESC (c	Set page format		✓	✓	✓	✓
ESC (i	Select MicroWeave					
ESC (t	Assign character table		✓	✓	✓	✓
	0 0 Italic		✓	✓	✓	✓
	1 0 PC437 (US)		✓	✓	✓	✓
	1 16 PC437 (Greek)			✓		✓
	2 0 PC932 (Japanese)					
	3 0 PC850 (Multilingual)		✓	✓	✓	✓
	4 0 PC851 (Greek)					
	5 0 PC853 (Turkish)			✓		✓
	6 0 PC855 (Cyrillic)			✓		✓
	44 0 PC858		✓	✓	✓	✓
	7 0 PC860 (Portuguese)		✓	✓	✓	✓
	8 0 PC863 (Canadian-French)		✓	✓	✓	✓
	9 0 PC865 (Nordic)		✓	✓	✓	✓
	10 0 PC852 (Eastern Europe)			✓		✓
	11 0 PC857 (Turkish)			✓		✓
	13 0 PC864 (Arabic)			✓		✓
	13 32 PC AR864			✓		✓
	14 0 PC866 (Russian)			✓		✓
				✓		
	14 16 Bulgarian ASCII****)					

ESC/P2							
S: Standard model N: NLSP model			1999				
			S	N	S	N	
			LQ-2080	LQ-2080	LQ-2180	LQ-2180	
ESC (t	14	32	PC866 LAT. (Latvian)		✓		✓
(continued)	15	0	PC869 (Greek)		✓		✓
	16	0	USSR GOST (Russian)				
	17	0	ECMA-94-1				
	18	0	KU 42 (K.U.) (Thai)				
	19	0	TIS 11 (ISO-988) (Thai)				
	20	0	TIS 18 (GENERAL) (Thai)				
	21	0	TIS 17 (SIC STD.) (Thai)				
	22	0	TIS 13 (IBM STD.) (Thai)				
	23	0	TIS 16 (SIC OLD) (Thai)				
	24	0	PC 861 (Icelandic)				
	25	0	BRASCII (Braz Portuguese)	✓	✓	✓	✓
	26	0	Abicom (Braz Portuguese)	✓	✓	✓	✓
	27	0	MAZOWIA (Poland)		✓		✓
	28	0	Code MJK (CSFR)		✓		✓
	29	15	ISO 8859-15	✓	✓	✓	✓
	29	7	ISO 8859-7 (Latin/Greek)		✓		✓
	29	16	ISO 8859-1 (Latin 1)				
	30	0	TSM (Thai sys. manager)				
	31	0	ISO Latin 1 T (Turkish)		✓		✓
	32	0	Bulgaria		✓		✓
	35	0	Roman 8	✓	✓	✓	✓
	36	0	PC774 (Lithuania)		✓		✓
	37	0	Estonia (Estonia)		✓		✓
	38	0	ISCII				
	39	0	PC-ISCII				
	40	0	PC APTEC		✓		✓
	41	0	PC708		✓		✓
	42	0	PC720		✓		✓
	112	0	OCR-B				
	127	1	ISO Latin 1	✓	✓	✓	✓
	127	2	ISO 8859-2 (ISO Latin 2)		✓		✓
	127	7	ISO Latin 7 (Greek)				
ESC (v			Set relative vertical print position	✓	✓	✓	✓
ESC (^			Print data as characters	✓	✓	✓	✓
ESC ^			9 pin bit image				
ESC *			Select bit image	✓	✓	✓	✓
			0				
			1				
			2				
			3				
			4				
			6				
			32				
			33				
			38				
			39				
			40				
			71				
			72				
			73				
ESC +			Set n/360-inch line spacing	✓	✓	✓	✓
ESC -			Turn underline on/off	✓	✓	✓	✓

ESC/P2		1999			
S: Standard model N: NLSP model		S	N	S	N
		LQ-2080	LQ-2080	LQ-2180	LQ-2180
ESC .	Print raster graphics	✓	✓	✓	✓
0	Print uncompressed raster	✓	✓	✓	✓
1	Enter RLE compression	✓	✓	✓	✓
2	Enter TIFF compression**				
* ESC /	Select vertical tab channel				
ESC 0	Select 1/8-inch line spacing	✓	✓	✓	✓
ESC 1		✓	✓	✓	✓
ESC 2	Select 1/6-inch line spacing	✓	✓	✓	✓
ESC 3	Set n/180-inch line spacing	✓	✓	✓	✓
ESC 4	Select italic font	✓	✓	✓	✓
ESC 5	Cancel italic font	✓	✓	✓	✓
ESC 6	Enable printing of upper control codes	✓	✓	✓	✓
ESC 7	Enable upper control codes	✓	✓	✓	✓
* ESC 8	Disable paper-out sensor				
* ESC 9	Enable paper-out sensor				
ESC :	Copy ROM to RAM	✓	✓	✓	✓
0	Roman	✓	✓	✓	✓
1	Sans Serif	✓	✓	✓	✓
2	Courier	✓	✓	✓	✓
3	Prestige	✓	✓	✓	✓
4	Script	✓	✓	✓	✓
5	OCR-B	✓	✓	✓	✓
6	OCR-A				
7	Orator	✓	✓	✓	✓
8	Orator-S	✓	✓	✓	✓
9	Script C	✓	✓	✓	✓
10	Roman T	✓	✓	✓	✓
11	Sans Serif H	✓	✓	✓	✓
* ESC <	Unidirectional mode (one line)				
* ESC =	Set MSB to 0				
* ESC >	Set MSB to 1				
* ESC ?	Reassign bit-image mode				
	0				
	1				
	2				
	3				
	4				
	6				
	32				
	33				
	38				
	39				
	40				
	71				
	72				
	73				
ESC @	Initialize printer	✓	✓	✓	✓
* ESC A	Set n/60-inch line spacing	✓	✓	✓	✓
ESC B	Set vertical tabs	✓	✓	✓	✓
ESC C	Set page length in lines	✓	✓	✓	✓
ESC C0	Set page length in inches	✓	✓	✓	✓
ESC D	Set horizontal tabs	✓	✓	✓	✓
ESC E	Select bold font	✓	✓	✓	✓

		ESC/P2			
		1999			
		S: Standard model N: NLSP model			
		S	N	S	N
		LQ-2080	LQ-2080	LQ-2180	LQ-2180
ESC F	Cancel bold font	✓	✓	✓	✓
ESC G	Select double-strike printing	✓	✓	✓	✓
ESC H	Cancel double-strike printing	✓	✓	✓	✓
ESC I	Control code selection				
ESC J	Advance print position	✓	✓	✓	✓
* ESC K	Select 60-dpi graphics	✓	✓	✓	✓
* ESC L	Select 120-dpi graphics	✓	✓	✓	✓
ESC M	Select 10.5-point, 12-cpi	✓	✓	✓	✓
ESC N	Set bottom margin	✓	✓	✓	✓
ESC O	Cancel bottom margin	✓	✓	✓	✓
ESC P	Select 10.5-point, 10-cpi	✓	✓	✓	✓
ESC Q	Set right margin	✓	✓	✓	✓
ESC R	Select an international character set	✓	✓	✓	✓
	0 USA	✓	✓	✓	✓
	1 France	✓	✓	✓	✓
	2 Germany	✓	✓	✓	✓
	3 United Kingdom	✓	✓	✓	✓
	4 Denmark I	✓	✓	✓	✓
	5 Sweden	✓	✓	✓	✓
	6 Italy	✓	✓	✓	✓
	7 Spain I	✓	✓	✓	✓
	8 Japan (English)	✓	✓	✓	✓
	9 Norway	✓	✓	✓	✓
	10 Denmark II	✓	✓	✓	✓
	11 Spain II	✓	✓	✓	✓
	12 Latin America	✓	✓	✓	✓
	13 Korea	✓	✓	✓	✓
	64 Legal	✓	✓	✓	✓
ESC S	Select superscript/subscript printing	✓	✓	✓	✓
ESC T	Cancel superscript/subscript printing	✓	✓	✓	✓
ESC U	Turn unidirectional mode on/off	✓	✓	✓	✓
ESC W	Turn double-width printing on/off	✓	✓	✓	✓
ESC X	Select font by pitch and point	✓	✓	✓	✓
* ESC Y	Select 120-dpi, double-speed graphics	✓	✓	✓	✓
* ESC Z	Select 240-dpi graphics	✓	✓	✓	✓
ESC \	Set relative horizontal print position	✓	✓	✓	✓
* ESC a	Select justification				
* ESC b	Set vertical tabs in VFU channels				
ESC c	Set horizontal motion index (HMI)	✓	✓	✓	✓
ESC g	Select 10.5-point, 15-cpi printing	✓	✓	✓	✓
ESC k	Select typeface	✓	✓	✓	✓
	0 Roman	✓	✓	✓	✓
	1 Sans serif	✓	✓	✓	✓
	2 Courier	✓	✓	✓	✓
	3 Prestige	✓	✓	✓	✓
	4 Script	✓	✓	✓	✓
	5 OCR-B	✓	✓	✓	✓
	6 OCR-A				
	7 Orator	✓	✓	✓	✓
	8 Orator-S	✓	✓	✓	✓
	9 Script C	✓	✓	✓	✓
	10 Roman T	✓	✓	✓	✓
	11 Sans Serif H	✓	✓	✓	✓
	30 SV Busaba				
	31 SV Jiffra				

		ESC/P2			
		1999			
		S	N	S	N
		LQ-2080	LQ-2080	LQ-2180	LQ-2180
	S: Standard model N: NLSP model				
ESC l	Set left margin	✓	✓	✓	✓
ESC p	Turn proportional mode on/off	✓	✓	✓	✓
ESC q	Select character style	✓	✓	✓	✓
ESC r	Select printing color				
* ESC s	Select low-speed mode				
ESC t	Select character table	✓	✓	✓	✓
	0 Table 0 Italic				
	1 Table 1 Graphics				
	2 Table 2 User-defined				
	3 Table 3				
ESC w	Turn double-height printing on/off	✓	✓	✓	✓
ESC x	Select letter quality or draft	✓	✓	✓	✓
ESC y	Select Draft / Super Draft	✓	✓	✓	✓
* DEL	Delete last character in buffer				

Table 2
SIDM ESC/P 2 Command Summary for 9-/18-Pin Printers

		1997		1998						1999	
		S	N	S	N	S	N	S	N	S	N
		FX-880	FX-880	FX-1180	FX-1180	FX-2180	FX-2180	DFX-8500	DFX-8500	FX-980	FX-980
* BEL	Beeper										
* BS	Backspace										
HT	Tab horizontally	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LF	Line feed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VT	Tab vertically	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FF	Form feed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CR	Carriage return	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SO	Select double-width printing (one line)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SI	Select condensed printing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
* DC1	Select printer										
DC2	Cancel condensed printing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
* DC3	Deselect printer										
DC4	Cancel double-width printing (one line)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
* CAN	Cancel line										
* ESC SO	Select double-width printing (one line)										
* ESC SI	Select condensed printing										
ESC EM	Control paper loading/ejecting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	0 Exit cut-sheet feeder mode										
	1 Select bin 1	✓	✓	✓	✓	✓	✓			✓	✓
	2 Select bin 2	✓	✓	✓	✓	✓	✓			✓	✓
	4 Select cut-sheet feeder mode										
	A Select Auto cut mode on/off							✓	✓		
	B Load paper from rear tractor							✓	✓		
	C Feeds paper to tear-off position							✓	✓		
	F Load paper from front tractor							✓	✓		
	R Eject a sheet of paper	✓	✓	✓	✓	✓	✓			✓	✓
	V Select ESC EM C command valid/invalid							✓	✓		
ESC Space	Set intercharacter space	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESC !	Master select	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
* ESC #	Cancel MSB control										
ESC \$	Set absolute horizontal position	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESC ¥	Horizontal print position	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESC %	Select user-defined characters	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESC &	Define user-defined characters	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESC |	EEPROM write, etc.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESC (B	Bar Code setup and print	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESC (C	Page length	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESC (c	Top/bottom margin	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESC (t	Assign character table	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	0 0 Italic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1 0 PC437 (US)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1 16 PC437 (Greek)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	2 0 PC932 (Japanese)										
	3 0 PC850 (Multilingual)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	4 0 PC851 (Greek)										
	5 0 PC853 (Turkish)		✓		✓		✓		✓		✓
	6 0 PC855 (Cyrillic)		✓		✓		✓		✓		✓
	7 0 PC860 (Portuguese)	✓	Ⓢ	✓	✓	✓	Ⓢ	✓	✓	✓	✓
	8 0 PC863 (Canadian-French)	✓	Ⓢ	✓	✓	✓	Ⓢ	✓	✓	✓	✓
	9 0 PC865 (Norwegian)	✓	Ⓢ	✓	✓	✓	Ⓢ	✓	✓	✓	✓
	10 0 PC852 (Eastern Europe)		✓		✓		✓		✓		✓
	11 0 PC857 (Turkish)		✓		✓		✓		✓		✓
	13 0 PC864 (Arabic)										
	13 32 PC AR864		Ⓢ		✓		Ⓢ		✓		✓
	14 0 PC866 (Russian)		✓		✓		✓		✓		✓
	14 16 (Bulgarian ASCII****)										
	14 32 PC866 LAT. (Latvian)		✓		✓		✓		✓		✓
	15 0 PC869 (Greek)		✓		✓		✓		✓		✓
	16 0 USSR GOST (Russian)										
	17 0 ECMA-94-1										
	18 0 KU 42 (K.U.) (Thai)										
(continued)	19 0 TIS 11 (ISO-988) (Thai)										

Ⓢ G1xxxx version only
 Ⓢ G2xxxx version only
 Ⓢ G1xxxx and G2xxxx only

		ESC/P2													
		S: Standard model N: NLSP model		1997				1998				1999			
		S	N	S	N	S	N	S	N	S	N	S	N		
		FX-880	FX-880	FX-1180	FX-1180	FX-2180	FX-2180	DFX-8500	DFX-8500	FX-980	FX-980	FX-980	FX-980		
ESC (t	20 0	TIS 18 (GENERAL) (Thai)													
(continued)	21 0	TIS 17 (SIC STD.) (Thai)													
	22 0	TIS 13 (IBM STD.) (Thai)													
	23 0	TIS 16 (SIC OLD) (Thai)													
	24 0	PC 861 (Icelandic)	✓	⊕	✓	✓	✓	⊕	✓	✓	✓	✓	✓		
	25 0	BRASCLII (BrazPortuguese)	✓	⊗	✓	✓	✓	⊗	✓	✓	✓	✓	✓		
	26 0	Abicomp (BrazPortuguese)	✓	⊗	✓	✓	✓	⊗	✓	✓	✓	✓	✓		
	27 0	MAZOWIA (Poland)		✓		✓		✓		✓		✓			
	28 0	Code MJK (CSFR)		✓		✓		✓		✓		✓			
	29 7	ISO 8859-7 (Latin/Greek)		✓		✓		✓		✓		✓			
	29 16	ISO 8859-1 (Latin 1)													
	30 0	TSM (Thai sys. manager)													
	31 0	ISO Latin 1 T (Turkish)		✓		✓		✓		✓		✓			
	32 0	Bulgaria		✓		✓		✓		✓		✓			
	35 0	Roman 8	✓	⊗	✓	✓	✓	⊗	✓	✓	✓	✓	✓		
	36 0	PC774 (Lithuania)													
	37 0	Estonia (Estonia)		✓		✓		✓		✓		✓			
	38 0	ISCII													
	39 0	PC-ISCII													
	40 0	PC APTEC (Arabic)		⊕		✓		⊕		✓		✓			
	41 0	PC708 (Arabic)		⊕		✓		⊕		✓		✓			
	42 0	PC720 (Arabic)		⊕		✓		⊕		✓		✓			
	112 0	OCR-B													
	127 1	ISO Latin 1	✓	⊗	✓	✓	✓	⊗	✓	✓	✓	✓	✓		
	127 2	ISO 8859-2 (ISO Latin 2)		✓		✓		✓		✓		✓			
	127 7	ISO Latin 7 (Greek)													
		PC774(LST 1283:1993)		✓		✓		✓		✓		✓			
		PC866 UKR (Ukrania)		⊕		✓		⊕		✓		✓			
		PC858		⊗	⊗	⊗	⊗	⊗	⊕	✓	✓	✓	✓		
		ISO 8859-15		⊗	⊗	⊗	⊗	⊗	⊕	✓	✓	✓	✓		
ESC (U		Define unit	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
ESC *		Select bit image	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	0														
	1														
	2														
	3														
	4														
	5														
	6														
	7														
ESC -		Turn underline on/off	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
* ESC /		Select vertical tab channel													
ESC 0		Select 1/8-inch line spacing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
ESC 1		Select 7/72-inch line spacing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
ESC 2		Select 1/6-inch line spacing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
ESC 3		Set n/216-inch line spacing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
ESC 4		Select italic font	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
ESC 5		Cancel italic font	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
ESC 6		Enable printing of upper control codes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
ESC 7		Enable upper control codes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
* ESC 8		Disable paper-out sensor													
* ESC 9		Enable paper-out sensor													
ESC :		Copy ROM to RAM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	0	Roman													
	1	Sans serif													
* ESC <		Unidirectional mode (one line)													
* ESC =		Set MSB to 0													
* ESC >		Set MSB to 1													

- ⊕ G1xxx version only
- ⊗ G2xxx version only
- ⊕ G1xxx and G2xxx only

		ESC/P2													
		S: Standard model N: NLSP model		1997				1998				1999			
				S	N	S	N	S	N	S	N	S	N		
				FX-880	FX-880	FX-1180	FX-1180	FX-2180	FX-2180	DFX-8500	DFX-8500	FX-980	FX-980		
*	ESC ?	Reassign bit-image mode													
*		0													
*		1													
*		2													
*		3													
*		4													
*		5													
*		6													
*		7													
	ESC @	Initialize printer													
*	ESC A	Set n/72-inch line spacing													
	ESC B	Set vertical tabs													
	ESC C	Set page length in lines													
	ESC C0	Set page length in inches													
	ESC D	Set horizontal tabs													
	ESC E	Select bold font													
	ESC F	Cancel bold font													
	ESC G	Select double-strike printing													
	ESC H	Cancel double-strike printing													
	ESC I	Select character/control codes													
	ESC J	Advance print position													
*	ESC K	Select 60-dpi graphics													
*	ESC L	Select 120-dpi graphics													
	ESC M	Select 12-cpi													
	ESC N	Set bottom margin													
	ESC O	Cancel bottom margin													
	ESC P	Select 10-cpi													
	ESC Q	Set right margin													
	ESC R	Select an international character set													
		0 USA													
		1 France													
		2 Germany													
		3 United Kingdom													
		4 Denmark I													
		5 Sweden													
		6 Italy													
		7 Spain I													
		8 Japan (English)													
		9 Norway													
		10 Denmark II													
		11 Spain II													
		12 Latin America													
	ESC S	Select superscript/subscript printing													
	ESC T	Cancel superscript/subscript printing													
	ESC U	Turn unidirectional mode on/off													
	ESC W	Turn double-width printing on/off													
*	ESC Y	Select 120-dpi, double-speed graphics													
*	ESC Z	Select 240-dpi graphics													
	ESC \	Set relative horizontal print position													
	ESC ^	9 pin bit image													
*	ESC a	Select justification													
*	ESC b	Set vertical tabs in VFU channels													
	ESC e	Set fixed vertical tab increment													
	ESC f	Horizontal/vertical skip													

		ESC/P2											
		S: Standard model N: NLSP model		1997				1998				1999	
		S	N	S	N	S	N	S	N	S	N	S	N
		FX-880	FX-880	FX-1180	FX-1180	FX-2180	FX-2180	DFX-8500	DFX-8500	FX-980	FX-980		
	ESC g	Select 15-cpi	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ESC i	Select immediate print mode											
*	ESC j	Reverse paper feed											
	ESC k	Select typeface	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		0 Roman	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		1 Sans serif	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ESC l	Set left margin	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ESC m	Select printing of upper control codes											
	ESC p	Turn proportional mode on/off	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ESC r	Select printing color											
*	ESC s	Select low-speed mode											
	ESC t	Select character table	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		0 Table 0 Italic											
		1 Table 1 Graphics											
	ESC w	Turn double-height printing on/off	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ESC x	Select near-letter quality or draft	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ESC y	Typeface	✓	✓	✓	✓						✓	✓
*	DEL	Delete last character in buffer											