# Line Thermal Printer

# Command Emulator STAR Line Mode Command Specifications

**Revision 0.01** 

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Special Products Division

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This is the Command Emulator Command Specifications Manual created based on Command Emulator dedicated commands and the Star Line Mode Command Specifications Manual.

Information contained herein applies to the following models.

- < Applicable Models>
  - TSP100
  - TSP700II



# 1. Command Emulator

The commands outlined below are dedicated to the Command Emulator.

## 1-1) Command List

| Commands | Name                              |
|----------|-----------------------------------|
| ESC US A | Set print region with in mm units |
| ESC US f | Switch to country of destination  |
| ESC US p | Specify delimiter                 |



#### 1-2) Command Details

#### **ESC US A**

[Name] Set print region with in mm units

[Code] ASCII ESC: US A n Hexadecimal 1B 1F 41 n

Decimal 27 31 65 n

[Defined Area]  $0 \le n \le 255$ 

[Initial Value] Depends on Config setting

[Function] Sets the printer region width to n mm.

This sets the print region width when processing this command, and unprinted

data remaining in the expanded buffer is printed. The print region width is set by left side alignment. The left and right margin settings are initialized.

The print region width is set by left alignment so the horizontal tab positions

are not initialized.

ESC @ initialize this command setting. (Returns to the Config setting)

#### ESC US f

[Name] Switch to country of destination

[Code] ASCII ESC: US f n

Hexadecimal 1B 1F 66 n ecimal 27 31 102 n

[Defined Area]  $0 \le n \le 4$ 

 $48 \le n \le 52 ("0" \le n \le "4")$ 

[Initial Value] Depends on Config setting

[Function] Specifies country of destination.

ESC @, and CAN initialize this command setting. (Returns to the Config set

ting)

| n       | Country of Destination |
|---------|------------------------|
| 0 ,"0"  | SBCS                   |
| 1 ,"1"  | Japan                  |
| 2 ,"2"  | China                  |
| 3 ,"3"  | Taiwan                 |
| 4 , "4" | Korea                  |



Only in STAR Line Mode; See the specifications below.

The default ANK pitch is switched by the memory switch writing command <ESC> <GS> #.

|             | Default    | Int          | ernational Characters              | (                    | Code Page                             |
|-------------|------------|--------------|------------------------------------|----------------------|---------------------------------------|
|             | ANK Pitch  | De-<br>fault | <esc> "R" n</esc>                  | Default              | <esc><gs> "t" n</gs></esc>            |
| SBCS        | 12/15 dots | USA          | Command Enabled                    | Normal               | Command Enabled                       |
| Japan       | 12/15 dots | Japan        | Command Disabled (Ignores 3 Bytes) | Normal<br>(Katakana) | Command Disabled<br>(Ignores 4 Bytes) |
| China       | 13/15 dots | USA          | Command Enabled                    | Normal<br>(Katakana) | Command Disabled<br>(Ignores 4 Bytes) |
| Tai-<br>wan | 13/15 dots | USA          | Command Enabled                    | Normal<br>(Katakana) | Command Disabled<br>(Ignores 4 Bytes) |
| Korea       | 13/15 dots | Korea        | Command Disabled (Ignores 3 Bytes) | Normal<br>(Katakana) | Command Disabled<br>(Ignores 4 Bytes) |

#### ESC US p

[Name] Specify delimiter

[Code] ASCII ESC: US p n

Hexadecimal 1B 1F 70 n Decimal 27 31 112 n

[Defined Area]  $0 \le n \le 3$ 

 $48 \le n \le 51 \text{ ("0"} \le n \le "3")$ 

[Initial Value] ———

[Function] Specifies delimiter.

| n      | Content            |
|--------|--------------------|
| 0 ,"0" | Top of document    |
| 1 ,"1" | Top of page        |
| 2 ,"2" | Bottom of page     |
| 3 ,"3" | Bottom of document |

This command determines the printing job data boundary for the command emulator plug-in.

The plug-in finds these delimiters and executes a process.

If the command emulator plug-in is not registered, these delimiters are ignored.



# 1-3) List of Compatible Models

| Class                             | Commands |        | Model Name    |  |  |  |  |
|-----------------------------------|----------|--------|---------------|--|--|--|--|
|                                   |          | TSP100 | TS-<br>P700II |  |  |  |  |
| Command Emulator Special Commands | ESC US A | 0      | 0             |  |  |  |  |
|                                   | ESC US f | 0      | 0             |  |  |  |  |
|                                   | ESC US p | 0      | 0             |  |  |  |  |



## 2. STAR Line Mode

#### 2-1) Command List

• Refer to the Star Line Mode Command Specifications for details of the commands.

#### Font Style and Character Set

| Com-<br>mands |                                     | Difference to F/W Specifications (When applicable) |
|---------------|-------------------------------------|--|
| ESC RS F      | Select font                         | 4 bytes ignored                                    |
| ESC GS t      | Specify code page                   | IBM block uses vertical 24 dot fonts (for ESC/POS) |
| ESC GS =      | Write blank code page data          | *1   |
| ESC R         | Specify international character set |  |
| ESC /         | Specify/cancel slash zero           |  |
| ESC SP        | Set ANK right space                 |  |
| ESC M         | Specify ANK 12 dot pitch            |  |
| ESC P         | Specify ANK 15 dot pitch            |  |
| ESC:          | Specify ANK 16 dot pitch            |  |
| ESC g         | Specify ANK 14 dot pitch            |  |

## Character Expansion Settings

|               | <u> </u>                                     |  |
|---------------|--|--|
| Com-<br>mands |  | Difference to F/W Specifications (When applicable) |
| ESC i         | Set/cancel the double wide/high printing     |  |
| ESC W         | Set/cancel the double wide printing          |  |
| ESC h         | Set/cancel the double high printing          |  |
| SO            | Set double wide printing                     |  |
| DC4           | Cancel double wide printing                  |  |
| ESC SO        | Set printing vertical double high characters |  |
| ESC DC4       | Cancel printing magnified character height   |  |

#### Print Modes

| Commands |                                       | Difference to F/W Specifications (When applicable) |
|----------|---------------------------------------|--|
| ESC E    | Select emphasized printing            |  |
| ESC F    | Cancel emphasized printing            |  |
| ESC -    | Select/cancels underline mode         |  |
| ESC _    | Select/cancels upperline mode         |  |
| ESC 4    | Selects white/black inverted printing |  |
| ESC 5    | Cancel white/black inverted printing  |  |
| SI       | Selects upside-down printing          |  |
| DC2      | Cancel upside-down printing           |  |

## • Line Spacing

| Com-<br>mands |                                     | Difference to F/W Specifications (When applicable) |
|---------------|-------------------------------------|--|
| LF            | Line feed                           |  |
| CR            | Carriage return (same as line feed) |  |
| ESC a         | Feed paper n lines                  |  |
| ESC z         | Select line feed amount             |  |
| ESC 0         | Specify line feed to 3 mm           |  |
| ESC J         | n/4 mm line feed                    |  |
| ESC I         | n/8mm line feed                     |  |



# • Page Control

| Com-<br>mands |                                       | Difference to F/W Specifications (When applicable) |
|---------------|---------------------------------------|--|
| FF            | Form feed                             |  |
| ESC C         | Set page length to n lines            |  |
| ESC C 0       | Set page length in 24 mm units        |  |
| VT            | Feed paper to vertical table position |  |
| ESC B         | Set vertical tab position             |  |



#### · Horizontal Direction Position

| Com-<br>mands |  | Difference to F/W Specifications (When applicable)   |
|---------------|--|--|
| ESC I         | Set left margin                                | Enabled only at top of line (Specification 2 of the Star Line Mode Command Specifications) |
| ESC Q         | Set right margin                               | Enabled only at top of line (Specification 2 of the Star Line Mode Command Specifications) |
| НТ            | Move print position to horizontal tab position |  |
| ESC D         | Set/cancel horizontal tab position             | Reference point is lefts edge of paper (same as TSP1000)                                   |
| ESC GS A      | Move absolute position                         |  |
| ESC GS R      | Move relative position                         |  |
| ESC GS a      | Specify position alignment                     |  |

## Download

| Commands |                                     | Difference to F/W Specifications (When applicable) |
|----------|-------------------------------------|--|
| ESC &    | Register/delete download characters |  |
| ESC %    | Set/cancel download characters      |  |

# • Bit Image Graphics

| Commands |                                      | Difference to F/W Specifications (When applicable)               |
|----------|--------------------------------------|--|
| ESC K    | Standard density bit image           | Prints only printable protion when counter exceeds print region. |
| ESC L    | High density bit image               |  |
| ESC k    | Fine bit image                       |  |
| ESC X    | Fine bit image (wire dot conversion) |  |

# • Logos

| Commands |                    | Difference to F/W Specifications (When applicable)          |
|----------|--------------------|---|
| ESC FS q | Register logo data | *1  |
| ESC FS p | Print logo data    | Registration size up to 65535 x 65535 (normally 1023 x 288) |

#### Bar Codes

| Commands |                | Difference to F/W Specifications (When applicable) |
|----------|----------------|--|
| ESC b    | Print bar code |  |

## Cutter Control

| Commands |                       | Difference to F/W Specifications (When applicable) |
|----------|-----------------------|--|
| ESC d    | Paper cut instruction |  |

## • External Device Drive

| Commands   |   | Difference to F/W Specifications (When applicable) |
|------------|---|--|
| ESC BEL    | Set pulse width for external device drive |  |
| BEL        | External device 1 drive instruction       |  |
| FS         | External device 1 drive instruction       |  |
| SUB        | External device 2 drive instruction       |  |
| EM         | External device 2 drive instruction       |  |
| ESC GS BEL | Ring buzzer                               |  |

# • Print Setting

| Commands |                   | Difference to F/W Specifications (When applicable) |
|----------|-------------------|--|
| ESC RS d | Set print density |  |
| ESC RS r | Set print speed   |  |



## Status

| Commands    |                                       | Difference to F/W Specifications (When applicable)          |
|-------------|---------------------------------------|---|
| ESC RS a    | Set status transmission conditions    | 4 bytes ignored   |
| ESC ACK SOH | Real-time printer status (ASB Status) | When using a serial port emulator, operations are possible. |
| ENQ         | Real-time printer status (1)          |   |
| EOT         | Real-time printer status (2)          |   |
| ETB         | Update of ETB status                  | 1 byte ignored  |
| ESC RS E    | Clear ETB counter, ETB status         | 4 bytes ignored   |

## Chinese Characters

| Commands |   | Difference to F/W Specifications (When applicable) |
|----------|---|--|
| ESC p    | Set to JIS Chinese character mode                 |  |
| ESC q    | Cancel JIS Chinese character mode                 |  |
| ESC \$   | Set/cancel JIS Chinese character mode             |  |
| ESC s    | Set two byte Chinese characters left/right spaces |  |
| ESC t    | Set 1 byte Chinese characters left/right spaces   |  |
| ESC r    | Register Chinese download characters              |  |

# • Others

| Com-<br>mands |   | Difference to F/W Specifications (When applicable)         |
|---------------|---|--|
| CAN           | Cancel print data and initialize commands | Does not clear reception buffer Not real-time command.     |
| ESC @         | Command initialization                    |  |
| ESC GS#       | Set memory switch                         | *2   |
| ESC?          | Reset printer                             | Only reset command (command for manufacturing unsupported) |

## Raster

| Commands         |   | Difference to F/W Specifications (When applicable) |
|------------------|---|--|
| ESC * r R        | Initialize raster mode  | 2 bytes ignored                                    |
| ESC * r A        | Enter raster mode   | 2 bytes ignored                                    |
| ESC * r B        | Quit raster mode  | 2 bytes ignored                                    |
| ESC * r C        | Clear raster data   | 2 bytes ignored                                    |
| ESC * r D        | Drawer drive  | 2 bytes ignored                                    |
| ESC * r E        | Set EOT mode  | 2 bytes ignored                                    |
| ESC * r F        | Set FF mode   | 2 bytes ignored                                    |
| ESC * r P        | Set page length   | 2 bytes ignored                                    |
| ESC * r Q        | Set print quality   | 2 bytes ignored                                    |
| ESC*rml          | Set left margin   | 2 bytes ignored                                    |
| ESC * r m r      | Set right margin  | 2 bytes ignored                                    |
| ESC * r T        | Set top margin  | 2 bytes ignored                                    |
| ESC * r K        | Set print color   | 2 bytes ignored                                    |
| b n1 n2 d1<br>dk | Transfer raster data (auto line feed)                           | Processes from top of data as ASCII data           |
| k n1 n2 d1<br>dk | Transfer raster data  | Processes from top of data as ASCII data           |
| ESC * r Y        | Move vertical direction position (Line feed for specified dots) | 2 bytes ignored                                    |
| ESC FF NUL       | Execute form feed mode  | 2 bytes ignored                                    |
| ESC FF EOT       | Execute EOT mode  | 2 bytes ignored                                    |



## • Black Mark

| Com-<br>mands |                                       | Difference to F/W Specifications (When applicable) |
|---------------|---------------------------------------|--|
| ESC d         | Paper cut instruction                 | Same as operations in normal mode                  |
| FF            | Form feed                             |  |
| ESC C         | Set page length to n lines            |  |
| ESC C 0       | Set page length in 24 mm units        |  |
| VT            | Feed paper to vertical table position |  |
| ESC B         | Set vertical tab position             |  |

## • 2-Color Printing

| Com-<br>mands |  | Difference to F/W Specifications (When applicable) |
|---------------|--|--|
| ESC RS c      | Specify printing color in 2 color printing mode        |  |
| ESC RS C      | Select/cancel 2 color printing mode                    |  |
| ESC 4         | Specify white/black inversion and printing color red   |  |
| ESC 5         | Specify white/black inversion and printing color black |  |
| ESC RS d      | Set print density                                      |  |
| ESC RS r      | Set printing speed                                     |  |
| ESC FS q      | Register logo  | *1   |
| ESC FS p      | Print logo   |  |



#### • Presenter

| Com-<br>mands |   | Difference to F/W Specifications (When applicable) |
|---------------|---|--|
| ESC SYN 0     | Execute presenter paper recovery                            | 2 bytes ignored                                    |
| ESC SYN 1     | Set presenter automatic recovery function and recovery time |  |
| ESC SYN 3     | Acquire presenter paper counter                             |  |
| ESC SYN 4     | Initialize presenter paper counter                          |  |

#### Mark Commands

| Com-<br>mands |   | Difference to F/W Specifications (When applicable) |
|---------------|---|--|
| ESC GS * 0    | Print mark  | 3 bytes ignored                                    |
| ESC GS * 1    | Specify mark height and line feed amount                    |  |
| ESC GS * 2    | Specify mark color and horizontal width in each mark number |  |
| ESC GS * W    | Register mark format to non-volatile memory                 |  |
| ESC GS * C    | Initialize mark format from non-volatile memory             |  |

# Auto Logo Commands

| Com-<br>mands |   | Difference to F/W Specifications (When applicable) |
|---------------|---|--|
| ESC GS / W    | Register Auto Logo setting to non-volatile memory     | 3 bytes ignored                                    |
| ESC GS / C    | Initialize Auto Logo setting from non-volatile memory |  |
| ESC GS / 1    | Set ON/OFF for Auto Logo function                     |  |
| ESC GS / 2    | Set command characters                                |  |
| ESC GS / 3    | Set user macro 1                                      |  |
| ESC GS / 4    | Set user macro 2                                      |  |
| ESC GS / 5    | Set command character switching method                |  |
| ESC GS / 6    | Set partial cut just prior to Auto Logo printing      |  |

## • PDF417 Commands

| Commands     |                                    | Difference to F/W Specifications (When applicable) |
|--------------|------------------------------------|--|
| ESC GS x S 0 | Set bar code size                  | 3 bytes ignored                                    |
| ESC GS x S 1 | Set security level (ECC)           |  |
| ESC GS x S 2 | Set module x direction size        |  |
| ESC GS x S 3 | Set module aspect ratio            |  |
| ESC GS x D   | Set bar code data                  |  |
| ESC GS x P   | Print bar code                     |  |
| ESC GS x I   | Get bar code expansion information |  |

# • Print Start Trigger Control Commands

| Commands   |                        | Difference to F/W Specifications (When applicable) |
|------------|------------------------|--|
| ESC GS g 0 | Print starting trigger | 3 bytes ignored                                    |
| ESC GS g 1 | Set print start timer  | 3 bytes ignored                                    |

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#### • QR Code Commands

| Commands     |   | Difference to F/W Specifications (When applicable) |
|--------------|---|--|
| ESC GS y S 0 | Set model                                 |  |
| ESC GS y S 1 | Set error correction level                |  |
| ESC GS y S 2 | Set cell size                             |  |
| ESC GS y D 1 | Set data (auto)                           |  |
| ESC GS y D 2 | Set data (manual)                         |  |
| ESC GS y P   | Print QR code                             |  |
| ESC GS y I   | Get expansion information (bar code size) | 4 bytes ignored                                    |

\*1 NV Logo, Blank Code Page Registration Commands

TSP100: Write to xml file.

After registration: Settings on the Command Emulator are initialized to the xml

file contents. (<ESC> @ operation + clear external character registration)

TSP700II: Register only on Command Emulator memory.

When PC power is turned off, data is erased.

\*2 Memory Switch Commands

TSP100: Write to xml file. (No self-print)

Not written to printer, but printer is reset.

TSP700II: Set only on Command Emulator memory.

Not written to printer, but printer is reset.

When PC power is turned off, setting is erased.



# 2-2) List of Compatible Models

|                               |          |        | Model Name    |          |   |   |   |
|-------------------------------|----------|--------|---------------|----------|---|---|---|
| Class                         | Commands | TSP100 | TS-<br>P700II |          |   |   |   |
| Font Style and Character Set  | ESC RS F | х      | Х             |          |   |   |   |
| •                             | ESC GS t | 0      | 0             |          |   |   |   |
|                               | ESC GS = | 0      | 0             |          |   |   |   |
|                               | ESC R    | 0      | 0             |          |   |   |   |
|                               | ESC /    | 0      | 0             |          |   |   |   |
|                               | ESC SP   | 0      | 0             |          |   |   |   |
|                               | ESC M    | 0      | 0             |          |   |   |   |
|                               | ESC P    | 0      | 0             |          |   |   |   |
|                               | ESC:     | 0      | 0             |          |   |   |   |
|                               | ESC g    | 0      | 0             |          |   |   |   |
| Character expansion settings  | ESCi     | 0      | 0             |          |   |   |   |
| 3.                            | ESC W    | 0      | 0             |          |   |   |   |
|                               | ESC h    | 0      | 0             |          |   |   |   |
|                               | SO       | 0      |               |          |   |   |   |
|                               | DC4      | 0      |               |          |   |   |   |
|                               | ESC SO   | 0      | 0             |          |   |   |   |
|                               | ESC DC4  | 0      |               |          |   |   |   |
| Print modes                   | ESC E    | 0      | 0             |          |   |   |   |
| 1 mit modes                   | ESC F    | 0      | 0             |          |   |   |   |
|                               | ESC -    | 0      | 0             |          |   |   |   |
|                               | ESC_     |        |               |          |   |   |   |
|                               | ESC _    | 0      | 0             |          |   |   |   |
|                               |          | 0      |               |          |   |   |   |
|                               | ESC 5    | 0      | 0             |          |   |   |   |
|                               | SI       | 0      |               |          |   |   |   |
|                               | DC2      | 0      | 0             |          |   |   |   |
| Line spacing                  | LF       | 0      | 0             |          |   |   |   |
|                               | CR       | 0      |               |          |   |   |   |
|                               | ESC a    | 0      | 0             |          |   |   |   |
|                               | ESC z    | 0      |               |          |   |   |   |
|                               | ESC 0    | 0      | 0             |          |   |   |   |
|                               | ESC J    | 0      | 0             |          |   |   |   |
|                               | ESC I    | 0      | 0             |          |   |   |   |
| Page Control                  | FF       | 0      | 0             |          |   |   |   |
|                               | ESC C    | 0      | 0             |          |   |   |   |
|                               | ESC C 0  | 0      | 0             |          |   |   |   |
|                               | VT       | 0      | 0             |          |   |   |   |
|                               | ESC B    | 0      | 0             |          |   |   |   |
| Horizontal Direction Position | ESC I    | 0      | 0             |          |   |   |   |
|                               | ESC Q    | 0      | 0             |          |   |   |   |
|                               | HT       | 0      | 0             |          |   |   |   |
|                               | ESC D    | 0      | 0             |          |   |   |   |
|                               | ESC GS A | 0      | 0             |          |   |   |   |
|                               | ESC GS R | 0      | 0             |          |   |   |   |
|                               | ESC GS a | 0      | 0             |          |   |   |   |
| Download                      | ESC &    | 0      | 0             |          |   |   |   |
|                               | ESC %    | 0      | 0             | <u> </u> | T | T | *************************************** |

∘: OK x: NG



|                       |                         | Model Name |               |  |  |  |   |
|-----------------------|-------------------------|------------|---------------|--|--|--|---|
| Class                 | Commands                | TSP100     | TS-<br>P700II |  |  |  |   |
| Bit Image Graphics    | ESC K                   | 0          | 0             |  |  |  |   |
|                       | ESC L                   | 0          | 0             |  |  |  |   |
|                       | ESC k                   | 0          | 0             |  |  |  |   |
|                       | ESC X                   | 0          | 0             |  |  |  |   |
| Logos                 | ESC FS q                | 0          | 0             |  |  |  |   |
|                       | ESC FS p                | 0          | 0             |  |  |  |   |
| Bar Codes             | ESC b                   | 0          | 0             |  |  |  |   |
| Cutter control        | ESC d                   | 0          | 0             |  |  |  |   |
| External Device Drive | ESC BEL                 | 0          | 0             |  |  |  |   |
|                       | BEL                     | 0          | 0             |  |  |  |   |
|                       | FS                      | 0          | 0             |  |  |  |   |
|                       | SUB                     | 0          | 0             |  |  |  |   |
|                       | EM                      | 0          | 0             |  |  |  |   |
|                       | ESC GS BEL              | 0          | 0             |  |  |  |   |
| Print Setting         | ESC RS d                | 0          | 0             |  |  |  |   |
| · ·                   | ESC RS r                | 0          | 0             |  |  |  |   |
| Status                | ESC RS a                | Х          | Х             |  |  |  |   |
|                       | ESC ACK                 |            |               |  |  |  |   |
|                       | SOH                     | 0          | Х             |  |  |  |   |
|                       | ENQ                     | 0          | 0             |  |  |  |   |
|                       | EOT                     | 0          | 0             |  |  |  |   |
|                       | ETB                     | Х          | Х             |  |  |  |   |
|                       | ESC RS E                | Х          | Х             |  |  |  |   |
| Chinese Character     | ESC p                   | 0          | 0             |  |  |  |   |
|                       | ESC q                   | 0          | 0             |  |  |  |   |
|                       | ESC\$                   | 0          | 0             |  |  |  |   |
|                       | ESC s                   | 0          | 0             |  |  |  |   |
|                       | ESC t                   | 0          | 0             |  |  |  |   |
|                       | ESC r                   | 0          | 0             |  |  |  |   |
| Others                | CAN                     | 0          | 0             |  |  |  |   |
| 0.1.0.0               | ESC @                   | 0          | 0             |  |  |  |   |
|                       | ESC GS#                 | 0          | 0             |  |  |  |   |
|                       | ESC?                    | 0          | 0             |  |  |  |   |
| Raster                | ESC * r R               | Х          | Х             |  |  |  |   |
| radioi                | ESC * r A               | х          | X             |  |  |  |   |
|                       | ESC * r B               | X          | X             |  |  |  |   |
|                       | ESC * r C               | х          | X             |  |  |  |   |
|                       | ESC * r D               | х          | X             |  |  |  |   |
|                       | ESC * r E               | х          | X             |  |  |  |   |
|                       | ESC * r F               | х          | ^<br>X        |  |  |  |   |
|                       | ESC * r P               |            |               |  |  |  |   |
|                       | ESC * r Q               | X          | X             |  |  |  |   |
|                       | ESC * r m l             | X          | X             |  |  |  |   |
|                       | ESC * r m r             | X          | X             |  |  |  |   |
|                       | ESC * r T               | X          | X             |  |  |  | ļ |
|                       |                         | X          | X             |  |  |  | ļ |
|                       | ESC * r K<br>b n1 n2 d1 | Х          | Х             |  |  |  | ļ |
|                       | dk                      | x          | х             |  |  |  |   |
|                       | k n1 n2 d1<br>dk        | x          | х             |  |  |  |   |
|                       | ESC * r Y               | Х          | Х             |  |  |  | ļ |
|                       | ESC FF NUL              | Х          | Х             |  |  |  | ļ |
|                       | ESC FF EOT              | Х          | Х             |  |  |  |   |



|                             |              |         | Model Name |   |  |  |  |
|-----------------------------|--------------|---------|------------|---|--|--|--|
| Class                       | Commands     | TSP100  | TS-        |   |  |  |  |
|                             |              | 131 100 | P700II     |   |  |  |  |
| Black mark related commands | ESC d        | Х       | X          |   |  |  |  |
|                             | FF           | Х       | X          |   |  |  |  |
|                             | ESC C        | Х       | X          |   |  |  |  |
|                             | ESC C 0      | х       | Х          |   |  |  |  |
|                             | VT           | Х       | Х          |   |  |  |  |
|                             | ESC B        | Х       | Х          |   |  |  |  |
| 2-Color Printing            | ESC RS c     | 0       | 0          |   |  |  |  |
|                             | ESC RS C     | 0       | 0          |   |  |  |  |
|                             | ESC 4        | 0       | 0          |   |  |  |  |
|                             | ESC 5        | 0       | 0          |   |  |  |  |
|                             | ESC RS d     | 0       | 0          |   |  |  |  |
| •                           | ESC RS r     | 0       | 0          |   |  |  |  |
| •                           | ESC FS q     | 0       | 0          |   |  |  |  |
|                             | ESC FS p     | 0       | 0          |   |  |  |  |
| Presenter                   | ESC SYN 0    | х       | Х          |   |  |  |  |
|                             | ESC SYN 1    | х       | Х          |   |  |  |  |
|                             | ESC SYN 3    | х       | χ          |   |  |  |  |
| -                           | ESC SYN 4    | x       | Х          |   |  |  |  |
| Mark Commands               | ESC GS * 0   | Х       | Х          |   |  |  |  |
|                             | ESC GS * 1   | Х       | X          |   |  |  |  |
|                             | ESC GS * 2   | х       | X          |   |  |  |  |
|                             | ESC GS * W   | х       | X          | · |  |  |  |
|                             | ESC GS * C   | X       | X          |   |  |  |  |
| Auto Logo Commands          | ESC GS / W   | X       | X          |   |  |  |  |
| Auto Logo Commands          | ESC GS / C   | X       |            |   |  |  |  |
|                             | ESC GS / 1   |         | X          |   |  |  |  |
|                             | ESC GS / 2   | X       | X          |   |  |  |  |
|                             |              | X       | X          |   |  |  |  |
|                             | ESC GS / 3   | X       | X          |   |  |  |  |
|                             | ESC GS / 4   | Χ       | X          |   |  |  |  |
|                             | ESC GS / 5   | Χ       | X          |   |  |  |  |
| DDE447.0                    | ESC GS / 6   | Х       | Х          |   |  |  |  |
| PDF417 Commands             | ESC GS x S 0 | Χ       | X          |   |  |  |  |
|                             | ESC GS x S 1 | X       | X          |   |  |  |  |
|                             | ESC GS x S 2 | X       | X          |   |  |  |  |
|                             | ESC GS x S 3 | X       | Х          |   |  |  |  |
|                             | ESC GS x D   | X       | X          |   |  |  |  |
|                             | ESC GS x P   | Х       | Х          |   |  |  |  |
|                             | ESC GS x I   | Х       | Х          |   |  |  |  |
| Print Start Trigger Control | ESC GS g 0   | Х       | Х          |   |  |  |  |
|                             | ESC GS g 1   | Х       | Х          |   |  |  |  |
| QR Code                     | ESC GS y S 0 | 0       | 0          |   |  |  |  |
|                             | ESC GS y S 1 | 0       | 0          |   |  |  |  |
|                             | ESC GS y S 2 | 0       | 0          |   |  |  |  |
|                             | ESC GS y D 1 | 0       | 0          |   |  |  |  |
|                             | ESC GS y D 2 | 0       | 0          |   |  |  |  |
|                             | ESC GS y P   | 0       | 0          |   |  |  |  |
|                             | ESC GS y I   | х       | Х          |   |  |  |  |



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