**ESC i**  [obsolete command]

**[Name]**

Partial cut (one point left uncut)

**[Format]**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ASCII |  | ESC |  | i |
| Hex |  | 1B |  | 69 |
| Decimal |  | 27 |  | 105 |

**[Description]**

Executes a partial cut of the roll paper.

**FS p**  [obsolete command]

**[Name]**

Print NV bit image

**[Format]**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASCII |  | FS |  | p |  | ***n*** |  | ***m*** |
| Hex |  | 1C |  | 70 |  | ***n*** |  | ***m*** |
| Decimal |  | 28 |  | 112 |  | ***n*** |  | ***m*** |

**[Range]**

***n*** = 1 – 255

***m***: different depending on the printers

**[Description]**

Prints NV bit image ***n*** using the process of [FS q   [obsolete command]](https://www.epson-biz.com/modules/ref_escpos/index.php?content_id=90#fs_lq)and using the mode specified by ***m***.

| ***m*** | Mode | Scaling | |
| --- | --- | --- | --- |
| horizontal | vertical |
| 0, 48 | Normal | × 1 | × 1 |
| 1, 49 | Double-width | × 2 | × 1 |
| 2, 50 | Double-height | × 1 | × 2 |
| 3, 51 | Quadruple | × 2 | × 2 |

**GS V**

**[Name]**

Select cut mode and cut paper

**[Format]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| <Function A> |  | ASCII |  | GS |  | V |  | ***m*** |  |  |
|  |  | Hex |  | 1D |  | 56 |  | ***m*** |  |  |
|  |  | Decimal |  | 29 |  | 86 |  | ***m*** |  |  |
| <Function B> |  | ASCII |  | GS |  | V |  | ***m*** |  | ***n*** |
|  |  | Hex |  | 1D |  | 56 |  | ***m*** |  | ***n*** |
|  |  | Decimal |  | 29 |  | 86 |  | ***m*** |  | ***n*** |
| <Function C> |  | ASCII |  | GS |  | V |  | ***m*** |  | ***n*** |
|  |  | Hex |  | 1D |  | 56 |  | ***m*** |  | ***n*** |
|  |  | Decimal |  | 29 |  | 86 |  | ***m*** |  | ***n*** |
| <Function D> |  | ASCII |  | GS |  | V |  | ***m*** |  | ***n*** |
|  |  | Hex |  | 1D |  | 56 |  | ***m*** |  | ***n*** |
|  |  | Decimal |  | 29 |  | 86 |  | ***m*** |  | ***n*** |

**[Range]**

***m***, ***n***: different depending on the printers

**[Default]**

None

**[Description]**

Executes paper cutting specified by ***m***, as follows:

| Function name | Function | ***m*** | Cutting shape |
| --- | --- | --- | --- |
| <Function A> | Cuts the paper | 0, 48 | Full cut |
| 1, 49 | Partial cut |
| <Function B> | Feeds paper and cuts the paper | 65 | Full cut |
| 66 | Partial cut |
| <Function C> | Sets the paper cutting position | 97 | Full cut |
| 98 | Partial cut |
| <Function D> | Feeds paper and cuts the paper, and feeds paper to print starting position | 103 | Full cut |
| 104 | Partial cut |

# ESC 2

## [Name]

Select default line spacing

## [Format]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ASCII |  | ESC |  | 2 |
| Hex |  | 1B |  | 32 |
| Decimal |  | 27 |  | 50 |

## [Description]

Sets the line spacing to the "default line spacing."

## [Notes]

* The line spacing can be set independently in Standard mode and in Page mode.
  + In Standard mode this command sets the line spacing of Standard mode.
  + in Page mode this command sets the line spacing of page mode.
* Selected line spacing is effective until [ESC 3](https://www.epson-biz.com/modules/ref_escpos/index.php?content_id=20#esc_3) is executed, [ESC @](https://www.epson-biz.com/modules/ref_escpos/index.php?content_id=192#esc_atsign) is executed, the printer is reset, or the power is turned off.

# ESC 3

## [Name]

Set line spacing

## [Format]

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ASCII |  | ESC |  | 3 |  | ***n*** |
| Hex |  | 1B |  | 33 |  | ***n*** |
| Decimal |  | 27 |  | 51 |  | ***n*** |

## [Range]

***n*** = 0 – 255

<https://www.epson-biz.com/modules/ref_escpos/index.php?content_id=87>

1b 33 00 – установить межстрочный интервал 00

1C 70 1 0

1C 70 2 0

1D 56 41 1

(in HEX) Печать лого1, лого 2, продвинуть и обрезать бумагу