

Invoking dll to print QRCODE

Dynamic link library does not directly print the function of two-dimensional code, so print the two-dimensional code need to **sendcommand** function using TSPL instruction.

1. sendcommand function is as follows:

sendcommand(command)

Description: send built-in instructions to the bar code printer

Parameters: Refer to TSPL for detailed instructions

2. QRCODE instruction

QRCODE X, Y, ECC Level, cell width, mode, rotation, [model, mask,]"Data string".

<u>Parameter</u>	<u>Description</u>
X	QRCODE Barcode upper left corner X coordinate
Y	QRCODE Barcode upper left corner Y coordinate
ECC level	Error correction capability level
L	7% M 15%
Q	25% H 30%
cell width	1~10
mode	Automatically generate code / manually generate code
A	Auto
M	Manual
rotation	Turn the angle clockwise
0	No rotate
90	Rotate 90 degrees clockwise
180	Rotate 180 degrees clockwise
270	Rotate 270 degrees clockwise
model	Barcode generation style
M1	(Default), original version
M2	Expanded version
mask	Range: 0 ~ 8, default 7
Data string	Barcode information content

Available encoded character set:

- 1). Numeric data: number 0 ~ 9
- 2). Alphanumeric data: number 0 ~ 9; capital letters A-z; other: space, \$% * + - /:
- 3). 8-bit binary data (JIS 8-bit character table (Latin and kana) matches JIS X 0201)
- 4). Japanese characters (Shift JIS values 8140_{HEX} ~ 9FFC_{HEX} and E040_{HEX} ~ EAA4_{HEX}. These are values shifted from those of JIS X 0208. Refer to JIS X 0208 Annex 1 Shift Coded Representation for detail.).

The maximum length of the bar code:

	<u>Model 1 (Version 14-L)</u>	<u>Model 2 (Version 40-L)</u>
1). Numerical data:	1,167 characters	7,089 characters
2). Digital data:	707 characters	4,296 characters
3). 8-bit binary data:	486 characters	2,953 characters
4). Japanese Chinese characters:	299 characters	1,817 characters

In the manually generated code:

1. If the first character of the barcode content is "A",
the subsequent data is of the "text" type.
2. If the first character of the barcode content is "N",
the subsequent data is of the "numeric" type.
3. If the first character of the barcode content is "B" The subsequent four digits
represent the length of the binary data(In bytes) followed by the "binary data" type.
4. If the first character of the barcode content is "K",
the subsequent data is "Japanese Kanji".
5. "!" Is used to convert data "N", "A", "B", "K" and so on When you convert with "!",
You can convert the data type to a set of barcode content.

3. Print the TSPL syntax for the two-dimensional code QR CODE :

QR CODE X, Y, ECC Level, cell width, mode, rotation, [model, mask,] "Data string"

When the Invoking is made:

```
sendcommand("QR CODE X, Y, ECC Level, cell width, mode,  
rotation, [model, mask,] "Data string")
```

Example

```
sendcommand("QR CODE 100,100,H,4,A,0,M2,S7,"AABCB03abcN123")
```

Note: Parameters [model, mask,] Is an optional parameter, If you can not clear the scanning gun after printing, Please set it to M2. It is recommended to use the auto-generated code "A", As in the example red mark. There is a space between QR CODE and X.