

● QR CODE

Description

This command prints QR code.

Syntax

QR CODE x,y,ECC Level,cell width,mode,rotation,[justification],[model],[mask],[area],[length]"content"

Parameter	Description
x	The upper left corner x-coordinate of the QR code
y	The upper left corner y-coordinate of the QR code
ECC level	Error correction recovery level L : 7% M : 15% Q : 25% H : 30%
cell width (dot)	1~10
mode	Auto / manual encode A : Auto M : Manual
rotation	0 : 0 degree 90 : 90 degree 180 : 180 degree 270 : 270 degree
[justification]	Barcode justification (J1 to J9 valid; refer to "Sample code" example below); since version A1.97 firmware.
[model]	M1: (default), original version M2: enhanced version (Almost smart phone is supported by this version.)
[mask]	S0~S8, default is S7
[area]	Maximum size of barcode area (Xdots; ex: X100); since version A1.97 firmware.
[length]	Content length; since version A2.13 firmware.
content	The encodable character set is described as below, Encodable character set: 1) Numeric data: (digits 0~9) 2) Alphanumeric data Digits 0-9 Upper case letters A-Z Nine other characters: space, \$ % * + - . / :) 3) 8-bit byte data JIS 8-bit character set (Latin and Kana) in accordance with JIS X 0201 4) Kanji 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.

Data characters per symbol (for maximum symbol size):		
	Model 1 (Version 14-L)	Model 2 (Version 40-L)
Numeric data	1,167 characters	7,089 characters
Alphanumeric data	707 characters	4,296 characters
8-bit byte data	486 characters	2,953 characters
Kanji data	299 characters	1,817 characters

* If "A" is the first character in the data string, then the following data after "A" is alphanumeric data.

* If "N" is the first character in the data string, then the following data after "N" is numeric data.

* If "B" is the first character in the data string, then the following 4 digits after "B" is used to specify numbers of data. After the 4 digits is the number of bytes of binary data to be encoded.

* If "K" is the first character in the data string, then the following data after "K" is Kanji data.

* If "!" is in the data string and follows by "N", "A", "B", "K" then it will be switched to specified encodable character set.

Manual mode example:

QRCODE 100,10,L,7,M,0,M1,S1, "ATHE FIRMWARE HAS BEEN UPDATED"

(Where A: Alphanumeric data)

QRCODE 100,10,M,7,M,0,M1,S2, "N123456"

(Where N: Numeric data)

QRCODE 100,10,Q,7,M,0,M1,S3, "N123456!ATHE FIRMWARE HAS BEEN UPDATED"

(Where N: Numeric data ; !:Transfer char ; A: Alphanumeric data)

QRCODE 100,10,H,7,M,0,M1,S3, "B0012Product name"

(where B: Binary data ; 0012: 12 bytes)

QRCODE 100,10,M,7,M,0,M1,S3, "K"


(Where K: Kanji data)


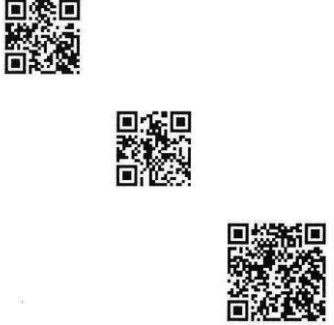


Auto mode example:





QRCODE 100,10,M,7,A,0, "THE FIRMWARE HAS BEEN UPDATED"

Note: TDP-643 Plus, TTP-243, TTP-342, TTP-244ME, TTP-342M and TTP-248M series are not supported this QRCODE command.

Example

Sample code	Result
Auto mode example	
<u>General data string</u> SIZE 4,2.5 GAP 0,0 DIRECTION 1 CLS QRCODE 10,10,H,4,A,0, "ABCabc123" QRCODE 160,160,H,4,A,0, "123ABCabc" QRCODE 310,310,M,4,A,0,M2, "印表機 ABCabc123" PRINT 1,1	

<p>Data string including <Enter> character (0Dh, 0Ah)</p> <p>SIZE 4,2.5 GAP 0,0 DIRECTION 1 CLS QRCODE 10,10,H,4,A,0, "ABC<Enter> abc<Enter> 123 " QRCODE 160,160,H,4,A,0, "123<Enter> ABC<Enter> abc" QRCODE 310,310,H,4,A,0, "印表機<Enter> ABC<Enter> abc<Enter> 123" PRINT 1,1</p>	
<p>Data string concatenation (Must be used with DOWNLOAD ... EOP command)</p> <p>DOWNLOAD "DEMO.BAS" SIZE 4,2.5 GAP 0,0 DIRECTION 1 CLS QRCODE 10,10,H,4,A,0, "ABCabc123" +STR\$(1234) QRCODE 160,160,H,4,A,0, "123ABCabc" +"1234" QRCODE 310,310,H,4,A,0, "印表機 ABCabc123"+"1234"+"abcd" PRINT 1,1 EOP DEMO</p>	
<p>Data string including double quote (") character, please use \" instead of</p> <p>SIZE 4,2.5 GAP 0,0 DIRECTION 1 CLS QRCODE 10,10,H,4,A,0, "ABC\"abc\"123" QRCODE 160,160,H,4,A,0, "123\"ABC\"abc" QRCODE 310,310,H,4,A,0, "\"印表機\"ABCabc123" PRINT 1,1</p>	
Manual mode	
<p>General data string</p> <p>SIZE 4,2.5 GAP 0,0 DIRECTION 1 CLS QRCODE 10,10,H,4,M,0, "AABC!B0003abc!N123" QRCODE 160,160,H,4,M,0, "N123!AABC!B0003abc" QRCODE 310,310,H,4,M,0, "K 印表機!AABC!B0006abc123" PRINT 1,1</p>	

<p>Data string including <Enter> character, <Enter> is an 8-bit byte data</p> <p>SIZE 4,2.5 GAP 0,0 DIRECTION 1 CLS QRCODE 10,10,H,4,M,0,"AABC!B0007<Enter> abc<Enter> !N123" QRCODE 160,160,H,4,M,0,"N123!B0002<Enter> !AABC!B0005<Enter> abc" QRCODE 310,310,H,4,M,0,"K 印表機!B0002<Enter> !AABC!B0010<Enter> abc<Enter> 123" PRINT 1,1</p>	
<p>Data string concatenation (Must be used with DOWNLOAD ... EOP command)</p> <p>DOWNLOAD "A.BAS" SIZE 4,2.5 GAP 0,0 DIRECTION 1 CLS QRCODE 10,10,H,4,M,0,"AABC!B0006abc123!N"+STR\$(1234) QRCODE 160,160,H,4,M,0,"N123!AABC!B0007abc"+"1234" QRCODE 310,310,H,4,M,0,"K 印表機!AABC!B0014abc123"+"1234"+"abcd" PRINT 1,1 EOP A</p>	
<p>Data string including double quote (") character, please use \" instead of</p> <p>SIZE 4,2.5 GAP 0,0 DIRECTION 1 CLS QRCODE 10,10,H,4,M,0,"AABC!B0005\""]abc\""]!N123" QRCODE 160,160,H,4,M,0,"N123!B0001\""]!AABC!B0004\""]abc" QRCODE 310,310,H,4,M,0,"B0001\""]!K 印表機!B0010\""]ABCabc123" PRINT 1,1</p>	
<p>Smart phone data string</p> <p>DOWNLOAD "A.BAS" SIZE 3,3 GAP 0,0 DIRECTION 1 CLS QRCODE 10,10,H,7,M,0,M2,S7,"Aabcd" QRCODE 170,170,H,4,M,0,M2,"B0008 繁體中文" QRCODE 300,300,L,8,M,0,M2,"B0026http://www.tscprinters.com" PRINT 1,1 EOP A</p>	

Data string for parameter [justification] & [area]

SIZE 4,2.5

GAP 0,0

DIRECTION 1

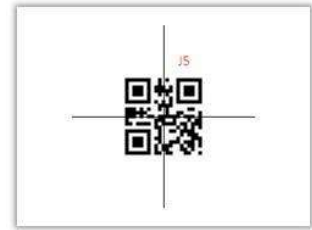
CLS

BAR 60,120,200,1

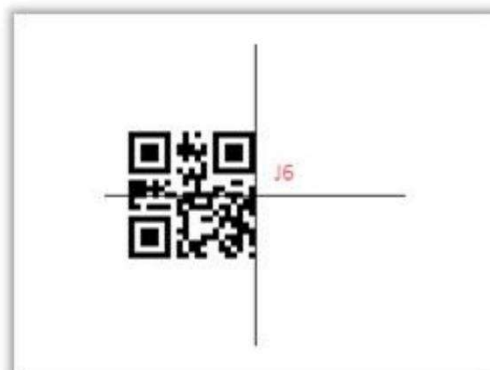
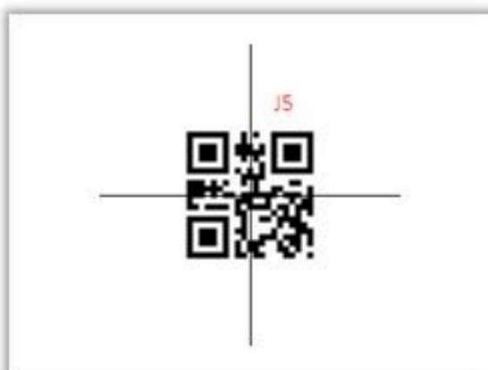
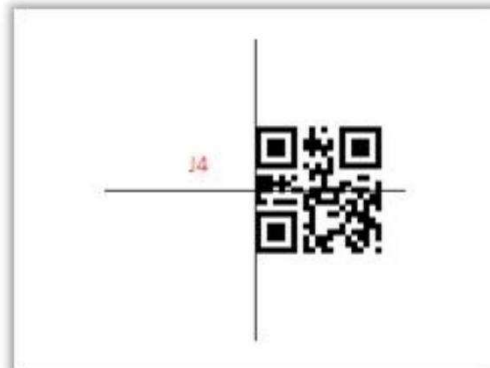
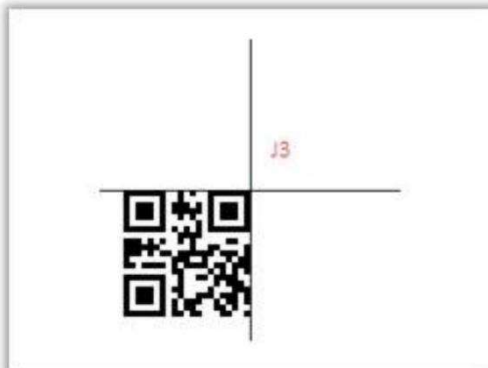
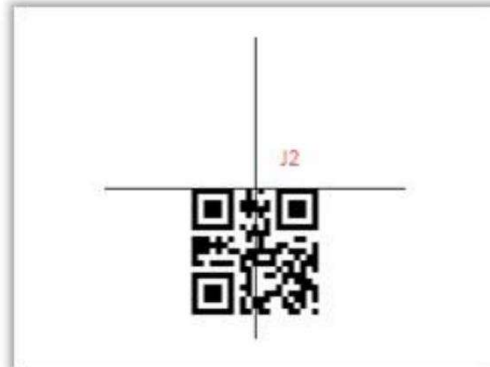
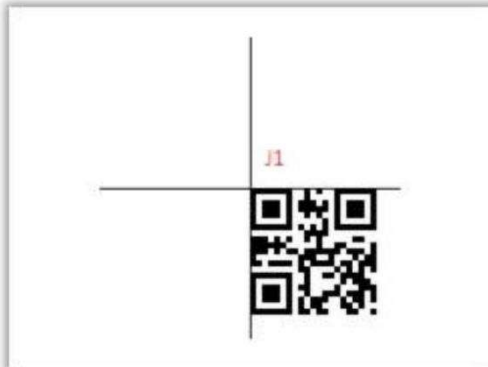
BAR 160,20,1,200

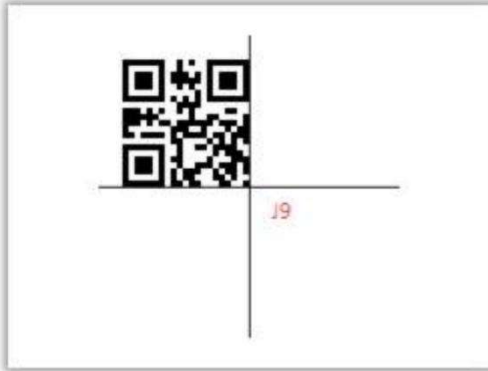
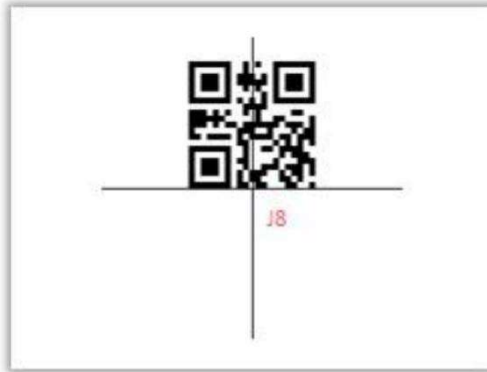
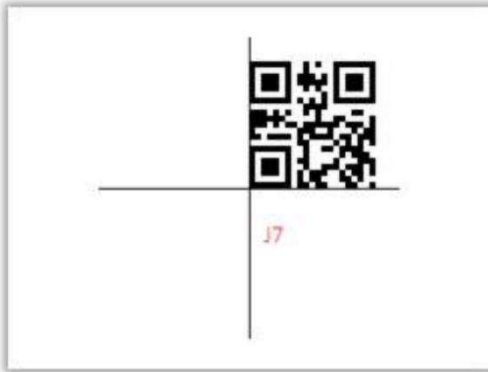
QRCODE 160,120,H,10,A,0,X100,J5,"123456789"

PRINT 1,1



For other [justification] results (J1~J9)





Data string for parameter [length]

CLS

QRCODE 50,462,H,5,M,0,M2,S5,L21,B00161234567890ABCDEF

PRINT 1