

# Label instructions

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## Label instructions

### appoint

Instruction names	appoint
instruction code	[COMMAND]+[Parameter]
functional	COMMAND: Instruction header, indicating the role of the instruction,

description	<p>hexadecimal number, bold in blue, such as: <b>1A 54 00</b>。 Parameter: Instruction input parameters.</p> <p>parameter definition:</p> <p>Single-byte arguments: A particular character represents a single byte; Rotate, for example, takes up a byte bit.</p> <p>Double-byte argument: A particular character, in combination with <b>_L</b> and <b>_H</b>, represents the low and high bytes of the argument, in turn. For example, <b>x_L</b>, <b>x_H</b> represents the low byte and high byte of the 2-byte parameter X in turn.</p> <p>Unit: Point.1 point = 0.125mm.</p> <p>Scope definition:</p> <p>Value range of X:</p> <p>{a, b} : <math>x = a</math> or <math>x = b</math>;</p> <p>[a, b] : <math>a \leq x \leq b</math>;</p> <p>(a, b) : <math>a &lt; x &lt; b</math>;</p>
Parameter range	
default	
Support model	
Note	
For Example	

## Page control instruction

### Page start instruction

Instruction names	Page start instruction
instruction code	<p>hexadecimal : a:</p> <p>1A 5B 00</p>

	<p style="text-align: center;">b:</p> <p>1A 5B 01 x_L x_H</p> <p>y_L y_H</p> <p>Width_L width_H</p> <p>Height_L Height_H</p> <p>Rotate</p>
functional description	<p>Indicates the start of a Page, and sets the Page size, reference point coordinates, and Page rotation Angle.</p> <p>Input parameter: No return value: No</p> <p>Note: This instruction sets the page to be 576 points wide and 1200 points high. The reference point coordinates are at the top left corner of the current position. The page does not rotate.</p> <p>B: Input parameters</p> <p>x</p> <p>Refer to the X-axis offset in the upper left corner of the origin relative to the current TAB position.</p> <p>y</p> <p>Refer to the Y-axis offset in the upper left corner of the origin relative to the current TAB position.</p> <p>Width</p> <p>Page Page Width, x+Width value range is: [1,576].</p> <p>Height</p> <p>Page Page height, Heigth value range is: [1, 1200].</p> <p>The Rotate</p> <p>The Rotate Angle of Page Page and the Rotate value range is {0,1}.When Rotate is 0, the page is not rotated.When Rotate to 1, the page is printed by 90° .</p> <p>Return value: None.y</p> <p>Refer to the Y-axis offset in the upper left corner of the origin relative to the current TAB position.</p>

Parameter range	
default	
Support model	
Note	
For Example	1A 5B 01 00 00 00 00 80 01 40 01 00

### Page End of page instruction

Instruction names	Page End of page instruction
instruction code	hexadecimal : 1A 5D 00
functional description	Identifies the end of a Page Page data. Input parameters: No. The return value: No.
Parameter range	
default	
Support model	
Note	
For Example	

### Page printing instruction

Instruction names	Page printing instruction
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instruction code	<p>hexadecimal : a:</p> <p>1A 4F 00</p> <p>b:</p> <p>1A 4F 01 PrintNum</p>
functional description	<p>Print the contents of the Page onto the label paper.</p> <p>A:</p> <p>Input parameters:</p> <p>There is no</p> <p>Return value: None</p> <p>Note: This directive will print the page content only once.</p> <p>B:</p> <p>Input parameters:</p> <p>PrintNum</p> <p>Page Page content prints PrintNum times.</p> <p>The return value:</p> <p>No.</p>
Parameter range	
default	
Support model	
Note	
For Example	

### Feed label to the tearing position

Instruction names	Feed label to the tearing position
-------------------	------------------------------------

instruction code	Decimal : 26 12 00 Hex : 1A 0C 00
functional description	Feed label to the tearing position
Parameter range	/
default	/
Support model	Label model
Note	Extra paper may be put in to look for label gap when power on the printer
For Example	1A 0C 00

## The feeding instructions

Instruction names	The feeding instructions
instruction code	hexadecimal : a:  1A 0C 00  b:  1A 0C 01 StopPosition  Offset_L Offset_H
functional description	A;  Input parameters:  No.  The return value:  No.  Remark:  Upon receiving this command, the printer will stop moving paper when the

	<p>label seam is flush with the cutting edge. At this point, the printer</p> <p>The current cursor position is 8mm below the label header</p> <p>B:</p> <p>Input parameters:</p> <p>StopPosition</p> <p>Mark the stop position of paper walking, value range: {0, 3}.</p> <p>StopType = 0, paper cutting stop at the level of the label seam;</p> <p>StopType = 1, the cursor stops moving at the level of the label head;</p> <p>StopType = 2, paper cutting stop at the level below the black mark;</p> <p>StopType = 3, the cursor stops moving at a level below the black mark;</p> <p>Offset</p> <p>Identifies the stop position offset. When the printer detects the label head or label, continue to Offset the length of each point on the paper.</p> <p>The return value:</p> <p>No.</p>
Parameter range	
default	
Support model	
Note	
For Example	1A 0C 01 00 00 01

## Page drawing instruction

In the following instructions, all coordinate points whose reference origin is the reference point defined in the Page Page start instruction. The instructions indicate that Page\_Width and Page\_Height represent the page width and height defined, respectively.

## Text drawing instruction

Instruction names	Text drawing instruction
instruction code	<p>hexadecimal : a.</p> <p>1A 54 00 x_L x_H</p> <p>y_L y_H</p> <p>String00</p> <p>b :</p> <p>1A 54 01 x_L x_H</p> <p>y_L y_H</p> <p>FontHeight_L FontHeight_H</p> <p>FontType_L FontType_H</p> <p>String00</p>
functional description	<p>A.</p> <p>Input parameters:</p> <p>x</p> <p>Define the text starting position x coordinate, value range: [0, Page_Width-1];</p> <p>y</p> <p>Define y coordinate of text start position, value range: [0, Page_Height-1];</p> <p>String00</p> <p>The stream of text string data to be printed, terminated at 0x00.</p> <p>The return value:</p> <p>There is no</p> <p>Note: When the sum of the text width and the text starting coordinate x is greater than the page width, the text is truncated and printed.</p> <p>B.</p> <p>Input parameters:</p>

X

Define the text starting position x coordinate, value range: [0, Page\_Width-1];

y

Define y coordinate of text start position, value range: [0, Page\_Height-1];

FontHeight

Text character font height, valid values range from {16, 24, 32, 48, 64, 80, 96}.

FontType

Text character effects are defined as follows:

data bits	definition
0	Bold logo bit: set 1 font bold, clear zero font bold.
1	Underline bit: set 1 text with underline, zero without underline.
2	Anti - white logo: set 1 text anti - white (black bottom white), zero anti - white.
3	Delete line flag bit: set 1 text with delete line, clear no delete line.
[5,4]	Rotation marker position: 00 Rotation 0° ;01 Rotation 90° ;10 rotation by 180° ;11 Rotation by 270 degrees.(Pay attention to the starting coordinates when you need to rotate)
[11,8]	Font width magnification;
[15,12 ]	Font height magnification;

The stream of text string data to be printed, terminated at 0x00.

Return value: None.

Remark:

When the sum of the text width and the text starting coordinate x is greater than the page width, the text is truncated and printed.

Parameter range	
default	
Support model	
Note	
For Example	<p><b>A:</b></p> <p>1B 40 1a 5B 01 00 00 00 00 80 01 40 01 00</p> <p>1A 54 00 00 00 00 00 B0 AE CE D2 D6 D0 BB AA 00</p> <p>1a 5d 00</p> <p>1a 4f 00</p> <p><b>B:</b></p> <p>1a 5B 01 00 00 00 00 80 01 00 01 00</p> <p>1A 54 01</p> <p>00 00</p> <p>00 00</p> <p>60 00 00 00</p> <p>C4E3BAC3 00</p> <p>1A 54 01</p> <p>18 00</p> <p>00 00</p> <p>60 00 00 00</p> <p>C4E3BAC3 00</p> <p>1A 54 01</p>

	<p><b>a0 00</b></p> <p><b>00 00</b></p> <p><b>60 00 10 33</b></p> <p><b>C4E3BAC3 00</b></p> <p><b>1a 5d 00</b></p> <p><b>1a 4f 00</b></p>
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**Line segment drawing instruction**

Instruction names	Line segment drawing instruction
instruction code	<p>hexadecimal : a.</p> <p>1A 5C 00 StartX_L StartX_H  StartY_L StartY_H  EndX_L EndX_H  EndY_L EndY_L</p> <p>b.</p> <p>1A 5C 01 StartX_L StartX_H  StartY_L StartY_H  EndX_L EndX_H  EndY_L EndY_H  Width_L Width_H  Color</p>
functional description	<p>Draws a line segment between two points on the Page.</p> <p>A.</p> <p>Input parameters:</p> <p>StartX</p> <p>The x-coordinate value of the starting point of the line segment, value range: [0,</p>

	<p>Page_Width-1].</p> <p>StartY</p> <p>Y coordinate value of the starting point of the line segment, value range: [0, Page_Height-1].</p> <p>EndX</p> <p>The x-coordinate value of the termination point of the line segment, value range: [0, Page_Width-1].</p> <p>EndY</p> <p>The y coordinate value of the termination point of the line segment, value range: [0,Page_Height-1].</p> <p>The return value:</p> <p>No.</p> <p>B.</p> <p>Input parameters:</p> <p>StartX</p> <p>The x-coordinate value of the starting point of the line segment, value range: [0, Page_Width-1].</p> <p>StartY</p> <p>Y coordinate value of the starting point of the line segment, value range: [0, Page_Height-1].</p> <p>EndX</p> <p>The x-coordinate value of the termination point of the line segment, value range: [0, Page_Width-1].</p> <p>EndY</p> <p>The y coordinate value of the termination point of the line segment, value range: [0,Page_Height-1].</p> <p>Width</p> <p>Line length, value range: [1, Page_Height-1].</p> <p>Color</p> <p>Color of line segment, value range: {0, 1}.When Color is 1, the line segment is</p>
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	<p>black.When Color is 0, the line segment is white.</p> <p>Output parameters:</p> <p>No.</p>
Parameter range	
default	
Support model	
Note	
For Example	<pre>1B 40 1a 5B 01 00 00 00 00 80 01 40 01 00 1A 5C 01 00 00 00 00 01 00 00 30 00 01 1a 4f 00</pre>

Draws a rectangular box with the line segment command

```
1B 40 1a 5B 01 00 00 00 00 80 01 00 01 00
```

```
1A 5C 01 10 00 10 00 00 01 10 00 04 00 01
```

```
1A 5C 01 10 00 10 00 10 00 c0 00 04 00 01
```

```
1A 5C 01 10 00 c0 00 00 01 c0 00 04 00 01
```

```
1A 5C 01 00 01 10 00 00 01 c0 00 04 00 01
```

```
1a 4f 00
```

## Rectangle box drawing command

Instruction names	Rectangle box drawing command
instruction code	<p>hexadecimal : a.</p> <pre>1A 26 00 Left_L Left_H Top_L Top_H Right_L Right_H</pre>

	<p>Bottom_L Bottom_H</p> <p>b.</p> <p>1A 26 01 Left_L Left_H</p> <p>Top_L Top_H</p> <p>Right_L Right_H</p> <p>Bottom_L Bottom_H</p> <p>Width_L Width_H</p> <p>Color</p>
functional description	<p>Draws a rectangle of the specified size at the specified location on the Page.</p> <p>A.</p> <p>Input parameters:</p> <p>Left</p> <p>The x-coordinate value in the upper left corner of the rectangle box, value range: [0, Page_Width-1].</p> <p>Top</p> <p>The y-coordinate in the upper left corner of the rectangle.Value range: [0, Page_Height-1].</p> <p>Right</p> <p>The x-coordinate in the lower right corner of the rectangle.Value range: [0, Page_Width-1].</p> <p>Bottom</p> <p>The y coordinate in the lower right corner of the rectangle.Value range: [0, Page_Height-1].</p> <p>The return value:</p> <p>No.</p> <p>B.</p> <p>Input parameters:</p>

	<p>Left</p> <p>The x-coordinate value in the upper left corner of the rectangle box, value range: [0, Page_Width-1].</p> <p>Top</p> <p>The y-coordinate in the upper left corner of the rectangle.Value range: [0, Page_Height-1].</p> <p>Right</p> <p>The x-coordinate in the lower right corner of the rectangle.Value range: [0, Page_Width-1].</p> <p>Bottom</p> <p>The y coordinate in the lower right corner of the rectangle.Value range: [0, Page_Height-1].</p> <p>Width</p> <p>Width of rectangle frame.</p> <p>Color</p> <p>Rectangle frame color, curved range {0,1}.When Color = 1, the black rectangle is drawn wide, and when Color = 0, the white rectangle is drawn.</p> <p>Return parameter: none</p>
Parameter range	
default	
Support model	
Note	
For Example	<p>1a 5B 01 00 00 00 00 80 01 40 01 00</p> <p>1a 26 01 10 00 10 00 00 01 00 01 10 00 01</p> <p>1a 4f 00</p>

1B 40 1a 5B 01 00 00 00 00 80 01 40 01 00

1a 26 01 10 00 10 00 00 01 00 01 10 00 01

1A 54 00 50 00 50 00 B0 AE CE D2 D6 D0 BB AA 0X00

1a 4f 00

(Draw a table)

1B 40 1a 5B 01 00 00 00 00 80 01 40 01 00

1a 26 01 10 00 10 00 00 01 C0 00 04 00 01

1A 5C 01 10 00 40 00 00 01 40 00 04 00 01

1A 5C 01 10 00 80 00 00 01 80 00 04 00 01

1A 5C 01 40 00 10 00 40 00 c0 00 04 00 01

1A 54 00 50 00 50 00 B0 AE CE D2 D6 D0 BB AA 00

1a 4f 00

### Draws a rectangle block instruction

Instruction names	Draws a rectangle block instruction
instruction code	hexadecimal : 1A 2A 00 Left_L Left_H Top_L Top_H Right_L Right_H Bottom_L Bottom_H Color
functional description	Draws a rectangle at the location specified on the Page. Input parameters: Left The x-coordinate value in the upper left corner of the rectangle block, value range: [0, Page_Width-1].

	<p>Top</p> <p>The y-coordinate in the upper left corner of the rectangle.Value range: [0, Page_Height-1].</p> <p>Right</p> <p>The lower right corner of the rectangle is the x-coordinate.Value range: [0, Page_Width-1].</p> <p>Bottom</p> <p>The y coordinate in the lower right corner of the rectangle.Value range: [0, Page_Height-1].</p> <p>Color</p> <p>Rectangle block color, value range: {0, 1}.When Color is 1, the rectangle is black.When the Color is 0 , the rectangular block is white.</p> <p>The return value:</p> <p>No.</p>
Parameter range	
default	
Support model	
Note	
For Example	<pre>1B 40 1a 5B 01 00 00 00 00 80 01 40 01 00 1A 2A 00 00 00 00 00 60 00 60 00 01 1a 4f 00</pre>

### One-dimensional bar code instruction

Instruction names	One-dimensional bar code instruction
instruction code	hexadecimal : 1A 30 00 x_L x_H

	<p>y_L y_H</p> <p>BarcodeType</p> <p>BarcodeHeight</p> <p>UnitWidth</p> <p>Rotate</p> <p>String00</p>																																																		
functional description	<p>Draws a one-dimensional bar code at the location specified on Page.</p> <p>Input parameters:</p> <p>x</p> <p>Bar code upper left corner x coordinate value, value range: [0, Page_Width-1].</p> <p>y</p> <p>Bar code top left y coordinate value, value range: [0, Page_Height-1].</p> <p>BarcodeType</p> <p>Mark barcode type, value range: [0,29].Each value is defined as follows:</p> <table border="1" data-bbox="440 1182 1353 2033"> <thead> <tr> <th>Value</th> <th>type</th> <th>length</th> <th>Barcode value range</th> <th>remarks</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>UPC-A</td> <td>11</td> <td>48-57</td> <td></td> </tr> <tr> <td>1</td> <td>UPC-E</td> <td>6</td> <td>48-57</td> <td></td> </tr> <tr> <td>2</td> <td>EAN13</td> <td>12</td> <td>48-57</td> <td></td> </tr> <tr> <td>3</td> <td>EAN8</td> <td>7</td> <td>48-57</td> <td></td> </tr> <tr> <td>4</td> <td>CODE39</td> <td>1-</td> <td>48-57,65-90,32,36,37,43,45,46,47</td> <td></td> </tr> <tr> <td>5</td> <td>I25</td> <td>1-</td> <td>even number 48-57</td> <td></td> </tr> <tr> <td>6</td> <td>CODABAR</td> <td>1-</td> <td>48-57,65-68,36,43,45,46,47,58</td> <td></td> </tr> <tr> <td>7</td> <td>CODE93</td> <td>1-255</td> <td>0-127</td> <td></td> </tr> <tr> <td>8</td> <td>CODE128</td> <td>2-255</td> <td>0-127</td> <td></td> </tr> </tbody> </table>	Value	type	length	Barcode value range	remarks	0	UPC-A	11	48-57		1	UPC-E	6	48-57		2	EAN13	12	48-57		3	EAN8	7	48-57		4	CODE39	1-	48-57,65-90,32,36,37,43,45,46,47		5	I25	1-	even number 48-57		6	CODABAR	1-	48-57,65-68,36,43,45,46,47,58		7	CODE93	1-255	0-127		8	CODE128	2-255	0-127	
Value	type	length	Barcode value range	remarks																																															
0	UPC-A	11	48-57																																																
1	UPC-E	6	48-57																																																
2	EAN13	12	48-57																																																
3	EAN8	7	48-57																																																
4	CODE39	1-	48-57,65-90,32,36,37,43,45,46,47																																																
5	I25	1-	even number 48-57																																																
6	CODABAR	1-	48-57,65-68,36,43,45,46,47,58																																																
7	CODE93	1-255	0-127																																																
8	CODE128	2-255	0-127																																																

	9	CODE11			
	10	MSI			
	11	128M			You can switch the encoding mode according to the data ->!096 -!105
	12	EAN128			Automatically switch coding mode
	13	25C			Odd Numbers first fill in 0, multiples of 10- [(sum of odd digits < from left to right)+(sum of even digits)*3]
	14	39C			The inspection code of 39 yards must be matched with the "comparison table of the relative value of inspection code", as shown in the table, the relative value of inspection code should be accumulated and then divided by 43 to find out the remaining number and the corresponding coding character, that is, the inspection code character.
	15	39			Full ASCII 39 Code, special characters are represented by two representable words, 39C also contains Full ASCII, pay attention to the processing of width and width ratio
	16	EAN13+2			$(\_0 * 10 + \_1) \text{ Mod } 4 \rightarrow 0 \text{--AA}$ 1--AB 2--BA 3--BB
17	EAN13+5			Emoticons part ditto, mode $((\_0 + \_2 + \_4) * 3 + (\_1 + \_3) * 9) \text{ mod } 10 \rightarrow \text{"bbaaa"}$ ,	

				"babaa", "baaba", "baaab", "abbaa", "aabba", "aaabb", "ababa," "abaab", "aabab
18	EAN8+2			With the EAN13 + 2
19	EAN8+5			With the EAN13 + 5
20	POST			See specification for details, is high and low bar code, not wide and narrow bar code
21	UPCA+2			See EAN for additional code
22	UPCA+5			See EAN for additional code
23	UPCE+2			See EAN for additional code
24	UPCE+5			See EAN for additional code
25	CPOST			Calculate the check code again as data
26	MSIC			25C variant, 0 is filled before the first number, and the last number needs to be deducted when checking code calculation, but it is still filled as the most tail end
27	PLESSEY			With the EAN13 + 2
28	ITF14			With the EAN13 + 5
29	EAN14			

BarcodeHeight :

Define bar code height.

UnitWidth :

Define the bar code width.Value range: [1, 4].Each value is defined as follows:

Width value of	Width value of	binary bar code	binary bar code
----------------	----------------	-----------------	-----------------

	multi-bar code unit Width (mm)	narrow line Width	wide line Width
1	0.125	0.125	0.25
2	0.25	0.25	0.50
3	0.375	0.375	0.75
4	0.50	0.50	1.0

Rotate:

Represents the bar code rotation Angle.Value range: [0, 3].Each value is defined as follows:

Rotate Value	define
0	Bar codes are drawn without rotation.
1	Bar code rotation 90° drawing.
2	Bar code rotation 180° drawing.
3	Bar code rotation 270° drawing.

String00:

A stream of text character data ending in 0x00.

The return value:

No.

Parameter  
range

default

Support  
model

Note

For Example

(2-inch label paper)

1b 40

	<p>1a 5B 01 00 00 00 00 80 01 00 01 00</p> <p>1a 30 00</p> <p>20 00</p> <p>40 00</p> <p>0f</p> <p>55</p> <p>02</p> <p>00</p> <p>31 30 31 30 30 00</p> <p>1a 5d 00</p> <p>1a 4f 00</p>
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### QRCode Bar code instructions

Instruction names	QRCode Bar code instructions
instruction code	<p>hexadecimal : 1A 31 00</p> <p>version</p> <p>ECC</p> <p>x_L x_H</p> <p>y_L y_H</p> <p>UnitWidth</p> <p>Rotate</p> <p>String00</p>
functional description	<p>Input parameters of barcode instruction:</p> <p>The version</p> <p>Specifies the character version.Value range: [0,20].When version is 0, the printer depends on the length of the string</p> <p>Automatically calculates the version number.</p>

ECC

Specifies the error correction level.Value range: [1, 4].Each value is defined as follows:

ECC	Error correction level
1	L: 7%, low error correction, high data.
2	M: 15%
3	Q: Optimize error correction
4	H: 30%, highest error correction, less data.

X coordinate value in the upper left corner of QRCode, value range: [0, Page\_Width-1].

y

The y coordinate value in the upper left corner of QRCode, value range: [0, Page\_Height-1].

UnitWidth

QRCode block, value range: [1, 4].Each value is defined with the instruction input parameter UniWidth

The same.

The Rotate

QRCode rotation Angle, value range: [0, 3].Each value definition and instruction input parameter

Rotate the same.

String00

QRCode text character data stream terminated at 0x00.

The return value:

No.

Parameter range	
default	
Support model	
Note	
For Example	<p>1B 40 1a 5B 01 00 00 00 00 80 01 40 01 00</p> <p>1A 31 00 03 03 60 00 20 00 04 00 B0 AE CE D2 D6 D0 BB AA 00</p> <p>1a 5d 00</p> <p>1a 4f 00</p>

### PDF417 Bar code instructions

Instruction names	PDF417 Bar code instructions
instruction code	<p>hexadecimal : 1A 31 01 ColNum</p> <p>ECC</p> <p>LWRatio</p> <p>x_L x_H</p> <p>y_L y_H</p> <p>UnitWidth</p> <p>Rotate</p> <p>String00</p>
functional description	<p>Draw the PDF417 barcode at the specified position on the word Page.</p> <p>Input parameters:</p> <p>ColNum</p> <p>ColNum is the number of columns and represents how many code words each</p>

	<p>row contains.A code word is 17*UnitWidth dot.</p> <p>The number of lines is automatically generated by the printer and is limited to a range of 3 to 90.The value range of ColNum: [1,30];</p> <p>ECC</p> <p>Error correction level, value range: [0. 8].</p> <p>Top left corner of PDF417 code x coordinate value, value range: [0, Page_Width-1].</p> <p>Y PDF417 code top left y coordinate value, value range: [0, Page_Height-1].</p> <p>UnitWidth</p> <p>PDF417 code width, value range: [1, 3].Each value is defined with the instruction input parameter UniWidth</p> <p>The same.</p> <p>The Rotate</p> <p>PDF417 code rotation Angle, value range: [0, 3].Each value definition and instruction input parameter</p> <p>Rotate the same.</p> <p>String00</p> <p>PDF417 text character data stream terminated at 0x00.The return value:</p> <p>No.</p>
Parameter range	
default	
Support model	
Note	
For Example	<p>1B 40 1a 5B 01 00 00 00 00 80 01 40 01 00</p> <p>1A 31 01 10 02 02 50 00 20 00 03 00 B0 AE CE D2 D6 D0 BB AA 0X00</p> <p>1a 4f 00</p>

## Bitmap instruction

Instruction names	Bitmap instruction
instruction code	<p>hexadecimal :</p> <p>a: 1A 21 00</p> <p>x_L x_H</p> <p>y_L y_H</p> <p>Width_L Width_H</p> <p>Height_L Height_L</p> <p>Data</p> <p>b:</p> <p>1A 21 01</p> <p>x_L x_H</p> <p>y_L y_H</p> <p>Width_L Width_H</p> <p>Height_L Height_L</p> <p>ShowType</p> <p>Data</p>
functional description	<p>Draws a bitmap at the location specified on the Page.</p> <p>A:</p> <p>Input parameters:</p> <p>x</p> <p>Bitmap upper left corner x coordinate value, value range: [0, Page_Width].</p> <p>y</p> <p>The y-coordinate value in the upper left corner of the bitmap, with a value range of [0, Page_Height].</p>

Width

The pixel width of a bitmap.

Height

The pixel height of a bitmap.

The Data

Bitmap bitmap data.

Return value: None.

B:

Input parameters:

x

Bitmap upper left corner x coordinate value, value range: [0, Page\_Width].

y

The y-coordinate value in the upper left corner of the bitmap, with a value range of [0, Page\_Height].

Width

The pixel width of a bitmap.

Height

The pixel height of a bitmap.

ShowType

Bitmap printing effects, ShowType values are defined as follows:位图打印特效,

ShowType

Bit	define
0	Anti - white mark bit, set 1 bitmap anti - white print, clear zero normal print.
[2:1]	Rotation marker position: 00 Rotation 0°;01 Rotation 90°;10 rotation by 180°;11 rotate 270 °
[7:3]	Retained.
[11:8]	Bitmap width magnification.
[15:12]	Bitmap height magnification.

	<p>Data</p> <p>Bitmap bitmap data.</p> <p>Return value: None.</p>
Parameter range	
default	
Support model	
Note	
For Example	<p>1a 5B 01 00 00 00 80 01 40 01 00</p> <p>1a 21 01 40 00 40 00 18 00 18 00 07 22</p> <p>0820800E38E00C30C80C34FC0DFF980E31102D32242DFDFE2CB58C6CB58C6CB 5AC4CB5AC0CFDAC0C31AC0C71AC0C71AC0CB9AC0CB5280D34400E30580C308 C0C31060C3204082400</p> <p>1A 5D 00</p> <p>1a 4f 00</p>