

## Instructions for WP8 TSC Bluetooth/Ethernet library functions

### 1. openport()

- **Bluetooth**

#### **openport(a)**

Description: Start the printer spool.

Parameter:

a: String; Input the Bluetooth Mac Address, example: "00:19:0E:A0:04:E1"

- **Ethernet**

#### **openport(a,b)**

Description: Start the printer spool.

Parameter:

a: String ; Input the IP address, example: "192.168.0.1".

b: Int ; Input the port number, example: "9100".

### 2. closeport()

Description: Close Windows printer spool.

Parameter: None

### 3. setup(a,b,c,d,e,f,g)

Description: Set up label width, label height, print speed, print density, sensor type, gap/black mark vertical distance、gap/black mark shift distance

Parameter:

a: int, sets up label width; unit: mm

b: int, sets up label height; unit: mm

c: int, sets up print speed, (selectable print speeds vary on different printer models)

1.0: sets print speed at 1.0"/sec

1.5: sets print speed at 1.5"/sec

2.0: sets print speed at 2.0"/sec

3.0: sets print speed at 3.0"/sec

4.0: sets print speed at 4.0"/sec

6.0: sets print speed at 6.0"/sec

8.0: sets print speed at 8.0"/sec

10.0: sets print speed at 10.0"/sec

12.0: sets print speed at 12.0"/sec

d: int, sets up print density

0~15 › the greater the number, the darker the printing

e: int, sets up the sensor type to be used

0: signifies that vertical gap sensor is to be used

1: signifies that black mark sensor is to be used

f: int, sets up vertical gap height of the gap/black mark; unit: mm

g: int, sets up shift distance of the gap/black mark; unit:: mm; in the case of the average label, set this parameter to be 0.

#### 4. clearbuffer()

Description: Clear

Parameter: None

#### 5. barcode(a,b,c,d,e,f,g,h,i)

Description: Use built-in bar code formats to print

Parameter:

a: int; the starting point of the bar code along the X direction, given in points  
( 200 DPI, 1 point=1/8 mm; 300 DPI, 1point=1/12 mm)

b: int; the starting point of the bar code along the Y direction, given in points  
( 200 DPI, 1 point=1/8 mm; 300 DPI, 1 point=1/12 mm)

c: string

128: Code 128, switching code subset A, B, C automatically

128M: Code 128, switching code subset A, B, C manually.

EAN128: Code 128, switching code subset A, B, C automatically

25: Interleaved 2 of 5

25C: Interleaved 2 of 5 with check digits

39: Code 39

39C: Code 39 with check digits

93: Code 93

EAN13: EAN 13

EAN13+2: EAN 13 with 2 digits add-on

EAN13+5: EAN 13 with 5 digits add-on

EAN8: EAN 8

EAN8+2: EAN 8 with 2 digits add-on

EAN8+5: EAN 8 with 5 digits add-on

CODA: Codabar

POST: Postnet

UPCA: UPC-A

UPCA+2: UPC-A with 2 digits add-on

UPCA+5: UPC-A with 5 digits add-on

UPCE: UPC-E

UPCE+2: UPC-E with 2 digits add-on

UPCE+5: UPC-E with 5 digits add-on

d: int; sets up bar code height, given in points

e: int, sets up whether to print human recognizable interpretation (text) or not.

0: prints no interpretation

1: prints interpretation

f: int; sets up rotation degrees

0: rotates 0 degree

90: rotates 90 degrees

180: rotates 180 degrees

270: rotates 270 degrees

g: int; sets up narrow bar ratio, refer to TSPL user's manual

h: int; sets up wide bar ratio, refer to TSPL user's manual

l: string; bar code content

## 6. printerfont(a,b,c,d,e,f,g)

Description: Use printer built-in fonts to print

Parameter:

a: int; the starting point of text (character string) along the X direction, given in points  
( 200 DPI, 1 point=1/8 mm; 300 DPI, 1 point=1/12 mm)

b: int; the starting point of text (character string) along the Y direction, given in points  
( 200 DPI, 1 point=1/8 mm; 300 DPI, 1 point=1/12 mm)

c: string; built-in font type name, 12 kinds in sum

1: 8\*12 dots

2: 12\*20 dots

3: 16\*24 dots

4: 24\*32 dots

5: 32\*48 dots

TST24.BF2: Traditional Chinese 24\*24 (Customized Font)

TST16.BF2: Traditional Chinese 16\*16 (Customized Font)

TTT24.BF2: Traditional Chinese 24\*24 (Telecommunication Code) (Customized Font)

TSS24.BF2: Simplified Chinese 24\*24 (Customized Font)

TSS16.BF2: Simplified Chinese 16\*16 (Customized Font)

K: Japan, Korean font 24\*24, (Customized Font)

L: Japan Korean font 16\*16 (Customized Font)

d: int; sets up the rotation degree of the text (character string)

0: rotates 0 degree

90: rotate 90 degrees

180: rotate 180 degrees

270: rotate 270 degrees

e: int; sets up the magnification rate of text (character string) along the X direction, range:

1~8

f: int; sets up the magnification rate of text (character string) along the Y direction, range:

1~8

g: string; prints the content of text (character string)

## **7. sendcommand(printer command)**

Description: Sends built-in commands to the bar code printer

Parameter: Refer to TSPL for details

## **8. printlabel(a,b)**

Description: Print label content

Parameter:

a: int; sets up the number of label sets

b: int; sets up the number of print copies

## 9. formfeed()

Description: Skip to next page (of label); this function is to be used after setup

Parameter: None

## 10. nobackfeed()

Description: Disable the back feed function

Parameter: None

## 11. putbmp(a,b,c)

Description: Print BMP format image

Parameter:

- a: int; the starting point of the bar code along the X direction, given in points  
(200 DPI, 1 point=1/8 mm; 300 DPI, 1point=1/12 mm)
- b: int; the starting point of the bar code along the Y direction, given in points  
(200 DPI, 1 point=1/8 mm; 300 DPI, 1 point=1/12 mm)
- c: string, BMP file name. (Need to save in printer memory first)

## 12. putpcx(a,b,c)

Description: Print PCX format image

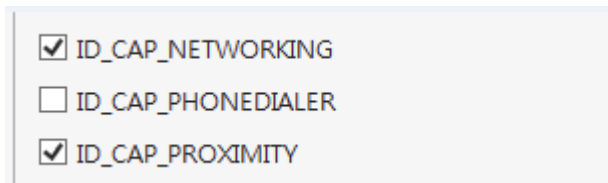
Parameter:

- a: int; the starting point of the bar code along the X direction, given in points  
(200 DPI, 1 point=1/8 mm; 300 DPI, 1point=1/12 mm)
- b: int; the starting point of the bar code along the Y direction, given in points  
(200 DPI, 1 point=1/8 mm; 300 DPI, 1 point=1/12 mm)
- c: string, PCX file name. (Need to save in printer memory first)

## WP8 Bluetooth Example

```
using TSCSDK;  
private TSCSDK.Blueetooth bluetooth = new TSCSDK.Blueetooth();  
  
bluetooth.openport("00:19:0E:A0:7A:50");  
bluetooth.clearbuffer();  
bluetooth.setup(100, 50, 3, 6, 0, 0, 0);  
bluetooth.barcode(100, 200, "128", 100, 1, 0, 3, 3, "123456789");  
bluetooth.printerfont(100, 100, "3", 0, 1, 1, "Printer Font Test");  
bluetooth.sendcommand("BOX 50, 50, 500, 400, 3\n");  
bluetooth.printlabel(1, 1);  
bluetooth.closeport();
```

Note: Please check the box about "ID\_CAP\_PROXIMITY, ID\_CAP\_NETWORKING, like below Picture.



## WP8 Ethernet Example

```
using TSCSDK;  
  
private TSCSDK.Ethernet IP = new TSCSDK.Ethernet();  
  
IP.openport("10.0.10.155", 9100);  
IP.clearbuffer();  
IP.setup(100, 60, 4, 6, 0, 0, 0);  
IP.barcode(100, 200, "128", 100, 1, 0, 3, 3, "123456789");  
IP.printerfont(100, 100, "3", 0, 1, 1, "Printer Font Test");  
IP.sendcommand("BOX 50, 50, 500, 400, 3\n");  
IP.putpcx(200, 100, "UL.PCX");  
IP.printlabel(1, 1);  
IP.closeport();
```