

Instructions for WinCE TSC Bluetooth/Ethernet library functions

1. openport()

- **Bluetooth**

openport(a)

Description: Start the printer spool.

Parameter:

a: String ; Input the Bluetooth com port, example: "COM1"

- **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(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. downloadfile(a,b)

Description: Download a file to the printer

Parameter:

a: string; file name (including file retrieval path)

b: string; names of files that are to be downloaded in the printer memory

10. formfeed()

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

None

11. nobackfeed()

Description: Disable the back feed function

Parameter: None

12. 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)

13. 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)

WinCE Bluetooth Example

```
using MobilePrinter;
using MobilePrinter.TSCWinCE;

public TSCBluetooth BT = new TSCBluetooth();

BT.openport("COM1 ");
BT.setup(100, 60, 2, 5, 0, 0, 0);
BT.clearbuffer();
BT.printerfont(100, 30, "3", 0, 1, 1, "TSC TEST");
BT.barcode(100, 70, "128", 100, 1, 0, 2, 1, "1234567");
BT.sendcommand("BOX 50, 0, 300, 250, 5\n");
BT.printlabel(1, 1);
BT.closeport();
```

WinCE Ethernet Example

```
using MobilePrinter;
using MobilePrinter.TSCWinCE;

public TSCEthernet IP = new TSCEthernet();

IP.openport("192.168.0.1", 9100);
IP.setup(100, 90, 2, 5, 0, 0, 0);
IP.clearbuffer();
IP.printerfont(100, 30, "3", 0, 1, 1, "TSC TEST");
IP.barcode(100, 70, "128", 100, 1, 0, 2, 1, "1234567");
IP.sendcommand("BOX 50, 0, 300, 250, 5\n");
IP.printlabel(1, 1);
IP.closeport();
```