

# TSCLIB.DLL Function library instructions

Please install the bar code printer driver before using TSCLIB.DLL.

## 1. **openport(a)**

Description: Specifies the output port on the computer side

Parameter:

a: When printing standalone, specify the printer driver name,

example: TSC TDP-245

If you connect the printer server, specify the server path and the shared printer name,

example: \\SERVER\ TSC TDP-245

## 2. **closeport()**

Description: Closes the specified computer-side output port

Parameters: None

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

Description: Sets the width, height, print speed, print density, sensor type, gap / black mark, Vertical spacing, gap / black mark offset distance)

Parameters:

a: string type, set the label width in mm

b: string type, set the label height, in mm

c: string type, set the print speed, (print speed random and have different options)

1.0: 1.0 inch print speed per second

1.5: 1.5 in / sec print speed

2.0: 2.0 in / sec print speed

3.0: 3.0 in / sec print speed

4.0: 4.0 in / sec print speed

5.0: 5.0 in / sec print speed

6.0: 6.0 in / sec print speed

d: String type, set the print density

0 ~ 15, the greater the number of print the darker the results

e: String type, set the use of the sensor category

0 indicates the use of vertical pitch sensor (gap sensor)

1 indicates the use of a black mark sensor (black mark sensor)

F: string type, set gap / black mark vertical spacing height, in mm

g: String type, set the gap / black mark offset distance, unit: mm, this parameter is used when the general label is set to 0

## 4. **clearbuffer()**

Description: Clear

Parameters: None

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

Description: Use bar code machine built-in bar code to print

Parameter:

a: string type, bar code X direction of the starting point to point (point) that.  
(200 DPI, 1 point = 1/8 mm, 300 DPI, 1 point = 1/12 mm)

b: string type, bar code Y direction of the starting point to point (point) that.  
(200 DPI, 1 point = 1/8 mm, 300 DPI, 1 point = 1/12 mm)

c: String type

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: String type, set the bar code height, height to point to that
- e: String type, set whether to print bar code text
  - 0: Do not print code
  - 1: print code
- f: String type, set the bar code rotation angle
  - 0: Rotate 0 degrees
  - 90: Rotate 90 degrees
  - 180: Rotate 180 degrees
  - 270: Rotate 270 degrees
- g: String type, set the bar code narrow bar scale factor, please refer to the programming manual
- h: String type, set the bar code narrow bar scale factor, please refer to the programming manual
- i: String type, barcode content

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

Description: Use the bar code machine built-in text to print

Parameter:

- a: String type, text X direction of the starting point to point (point) that.  
(200 DPI, 1 point = 1/8 mm, 300 DPI, 1 point = 1/12 mm)
- b: String type, text Y direction of the starting point to point (point) that.  
(200 DPI, 1 point = 1/8 mm, 300 DPI, 1 point = 1/12 mm)
- c: String type, built-in font name, a total of 8 kinds.
  - 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
  - TSS24.BF2: Simplified Chinese 24 \* 24
  - K: Korean 24 \* 24
- d: String type, set the text rotation angle
  - 0: Rotate 0 degrees
  - 90: Rotate 90 degrees
  - 180: Rotate 180 degrees
  - 270: Rotate 270 degrees
- e: String type, set the text X direction magnification, 1 ~ 8
- f: String type, set the text X direction magnification, 1 ~ 8
- g: String type, print text content

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

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

Parameters: Please refer to the programming manual for detailed instructions

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

Description: Prints the label content

Parameter::

- a: string type, set the number of print labels (set)
- b: string type, set the number of copies printed (copy)

### **9. downloadpcx(a,b)**

Description: Download the monochrome PCX format file to the printer

Parameter:

- a: string type, file name (can contain path)
- b: string type, download the file name to the printer memory (please use the uppercase file name)

### **10. formfeed()**

Description: Jump page, the function to be used after setup

Parameters: None

### **11. nobackfeed()**

Description: Set the paper does not take

Parameters: None

### **12. windowsfont(a,b,c,d,e,f,g,h)**

Description: Use Windows TTF font to print text

Parameters:

- a: integer type, the text X direction of the starting point to point (point) that.
- b: integer type, the text Y direction of the starting point to point (point) that.
- c: integer type, font height, point (point) said.
- d: integer type, rotation angle, reverse clockwise rotation
  - 0 -> 0 degree
  - 90 -> 90 degree
  - 180 -> 180 degree
  - 270 -> 270 degree
- e: Integer type, font shape
  - 0 -> standard (normal)
  - 1 -> italic (italic)
  - 2 -> bold (bold)
  - 3 -> bold italic (bold and italic)
- f: Integer type, bottom line
  - 0 -> no bottom line
  - 1 -> plus the bottom line
- g: String type, font name. Such as: Arial, Times new Roman, subtle body, standard italics
- h: String type, print text content.

### 13. about()

Description: Displays the DLL version number

Parameters: None

## Visual Basic 5.0, 6.0 for Win95, 98 example

```
Private Declare Sub openport Lib "c:\windows\system\tscilib.dll"
( ByVal PrinterName As String)
Private Declare Sub closeport Lib "c:\windows\system\tscilib.dll" ()
Private Declare Sub sendcommand Lib "c:\windows\system\tscilib.dll" ( _
ByVal command As String)
Private Declare Sub setup Lib "c:\windows\system\tscilib.dll" ( _
ByVal LabelWidth As String, _
ByVal LabelHeight As String, _
ByVal Speed As String, _
ByVal Density As String, _
ByVal Sensor As String, _
ByVal Vertical As String, _
ByVal Offset As String)
Private Declare Sub downloadpcx Lib "c:\windows\system\tscilib.dll" ( _
ByVal Filename As String, _
ByVal ImageName As String)
Private Declare Sub barcode Lib "c:\windows\system\tscilib.dll" ( _
ByVal X As String, _
ByVal Y As String, _
ByVal CodeType As String, _
ByVal Height As String, _
ByVal Readable As String, _
ByVal rotation As String, _
ByVal Narrow As String, _
ByVal Wide As String, _
ByVal Code As String)
Private Declare Sub printerfont Lib "c:\windows\system\tscilib.dll" ( _
ByVal X As String, _
ByVal Y As String, _
ByVal FontName As String, _
ByVal rotation As String, _
ByVal Xmul As String, _
ByVal Ymul As String, _
ByVal Content As String)
Private Declare Sub clearbuffer Lib "c:\windows\system\tscilib.dll" ()
Private Declare Sub printlabel Lib "c:\windows\system\tscilib.dll" ( _
ByVal NumberOfSet As String, _
ByVal NumberOfCopy As String)
Private Declare Sub formfeed Lib "c:\windows\system\tscilib.dll" ()
Private Declare Sub nobackfeed Lib "c:\windows\system\tscilib.dll" ()
Private Declare Sub windowsfont Lib "c:\windows\system\tscilib.dll" ( _
ByVal X As Integer, _
ByVal Y As Integer, _
ByVal fontheight As Integer, _
```

```

ByVal rotation As Integer, _
ByVal fontstyle As Integer, _
ByVal fontunderline As Integer, _
ByVal FaceName As String, _
ByVal TextContent As String)
Private Sub Command1_Click()
Call openport("TSC TDP-245")
'Call openport("\server\TSC TDP-245")
Call setup("100", "100", "3", "10", "0", "0", "0")
Call clearbuffer
Call downloadpcx("c:\UL.PCX", "UL.PCX")
Call printerfont("10", "10", "4", "0", "1", "1", "TEST PRINTOUT")
Call barcode("10", "80", "39", "96", "1", "0", "2", "4", "0987654321")
Call sendcommand("PUTPCX 100,250,""UL.PCX"")
Call sendcommand("BAR 400,200,300,100")
Call sendcommand("BOX 10,300,300,300,5")
Call windowsfont(10, 500, 80, 0, 0,0, "Standard italics", "standard italic font")
Call printlabel("1", "1")
Call closeport
End Sub

```

## FoxPro example

```

declare openport in c:\windows\system\tsclib.dll string
declare closeport in c:\windows\system\tsclib.dll
declare sendcommand in c:\windows\system\tsclib.dll
declare setup in c:\windows\system\tsclib.dll
string,string,string,string,string,string,string
declare downloadpcx in c:\windows\system\tsclib.dll
string, string
declare barcode in c:\windows\system\tsclib.dll
string,string,string,string,string,string,string,string,string
declare printerfont in c:\windows\system\tsclib.dll
string,string,string,string,string,string,string
declare clearbuffer in c:\windows\system\tsclib.dll
declare printlabel in c:\windows\system\tsclib.dll string,string
declare formfeed in c:\windows\system\tsclib.dll
declare nobackfeed in c:\windows\system\tsclib.dll
declare windowsfont in c:\windows\system\tsclib.dll
integer,integer,integer,integer,integer,integer,integer,integer,string,string
openport("TSC TDP-245")
setup("32", "25", "2", "10", "0", "0", "0")
clearbuffer()
barcode("10", "0", "EAN13", "80", "1", "0", "2", "4", "123456789012")
windowsfont(10,100,50,0,0,0, "Standard italics", "standard italic font")
printlabel("1", "1")
closeport()

```

## Delphi example

```
procedure openport(PrinterName:pchar);stdcall;far; external 'tsclib.dll';
procedure closeport; external 'tsclib.dll';
procedure sendcommand(Command:pchar);stdcall;far;external 'tsclib.dll';
procedure setup(LabelWidth, LabelHeight, Speed, Density, Sensor, Vertical,
Offset:pchar);tsdcall; far; external 'tsclib.dll';
procedure downloadpcx(Filename,ImageName:pchar);stdcall;far;
external 'tsclib.dll';
procedure barcode(X, Y, CodeType, Height, Readable, Rotation, Narrow,
Wide, Code :pchar); stdcall; far; external 'tsclib.dll';
procedure printerfont(X, Y, FontName, Rotation, Xmul, Ymul, Content:pchar);
stdcall;far; external 'tsclib.dll';
procedure clearbuffer; external 'tsclib.dll';
procedure printlabel(NumberOfSet, NumberOfCopoy:pchar);stdcall; far;
external 'tsclib.dll';
procedure formfeed;external 'tsclib.dll';
procedure nobackfeed; external 'tsclib.dll'
procedure windowsfont (X, Y, FontHeight, Rotation, FontStyle,
FontUnderline : integer; FaceName,
TextContect:pchar);stdcall;far;external 'tsclib.dll';
```

**Please note that the function name must use lowercase letters**