# Instructions for BCPLIB.DLL functions

Prior to use the Dynamic Link Library, please make sure the bar code printer driver is installed on your PC.

## openport(a)

Description: Start the Windows printer spool. Parameter:

a: String, for local printer, please specified the printer driver name.

for network printer, please specified the UNC path and printer name.

## closeport()

Description: Close Windows printer spool. Parameter: None

## 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: string, sets up label width; unit: mm b: string, sets up label height; unit: mm

c: string, 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

d: string, sets up print density

0~15，the greater the number, the darker the printing e: string, 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: string, sets up vertical gap height of the gap/black mark; unit: mm g: string, sets up shift distance of the gap/black mark; unit:: mm; in the

case of the average label, set this parameter to be 0.

1. **clearbuffer()** Description: Clear Parameter: None

## barcode(a,b,c,d,e,f,g,h,I)

Description: Use built-in bar code formats to print Parameter:

a: string; the starting point of the bar code along the X direction, given in points

(of 200 DPI, 1 point=1/8 mm; of 300 DPI, 1point=1/12 mm)

b: string; the starting point of the bar code along the Y direction, given in points

(of 200 DPI, 1 point=1/8 mm; of 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: string; sets up bar code height, given in points

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

0: prints no interpretation 1: prints interpretation

f: string; sets up rotation degrees 0: rotates 0 degree

90: rotates 90 degrees

180: rotates180 degrees

270: rotates 270 degrees

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

I: string; bar code content

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

Description: Use printer built-in fonts to print Parameter:

a: string; the starting point of text (character string) along the X direction, given in points

(of 200 DPI, 1 point=1/8 mm; of 300 DPI, 1 point=1/12 mm)

b: string; the starting point of text (character string) along the Y direction, given in points

(of 200 DPI, 1 point=1/8 mm; of 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 TST16.BF2: Traditional Chinese 16\*16

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

TSS24.BF2: Simplified Chinese 24\*24 TSS16.BF2: Simplified Chinese 16\*16 K: Japan, Korean font 24\*24,

L: Japan Korean font 16\*16

d: string; 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: string; sets up the magnification rate of text (character string) along the X direction, range: 1~8

f: string; 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)

## sendcommand(command)

Description: Sends built-in commands to the bar code printer Parameter: Refer to TSPL for details

1. **printlabel(a,b)** Description: Print label content Parameter:

a: string; sets up the number of label sets b: string, sets up the number of print copies

## downloadpcx(a,b)

Description: Download mono PCX graphic files 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 (Please use capital letters)

## formfeed()

Description: Skip to next page (of label); this function is to be used after setup Parameter: None

## nobackfeed()

Description: disable the backfeed function

Parameter: None

1. **windowsfont(a,b,c,d,e,f,g,h)** Description: Use Windows font to print text. Parameter:

a: Integer, the starting point of the text along the X direction, given in points

b: Integer, the starting point of the text along the Y direction, given in points

c: Integer, the font height, given in points. d:Integer, rotation in counter clockwise direction

0 -> 0 degree

90-> 90 degree

180-> 180 degree

270-> 270 degree e: Integer, font style

0-> Normal

1-> Italic

2-> Bold

3-> Bold and Italic

f: Integer, font with underline 0-> Without underline

1-> With underline

g: String, font type face. Specify the true type font name. For example: Arial, Times new Roman.

h: String, text to be printed.

## about()

Description: Display the DLL version on the screen.

# Examples of Visual Basic 5.0, 6.0 for Win95, Win98

Private Declare Sub openport Lib c:\windows\system\bcplib.dll (

ByVal PrinterName as String) Private Declare Sub closeport Lib c:\windows\system\bcplib.dll () Private Declare Sub sendcommand Lib c:\windows\system\bcplib.dll ( \_

ByVal command As String) Private Declare Sub setup Lib c:\windows\system\bcplib.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\bcplib.dll ( \_

ByVal Filename As String, \_ ByVal ImageName As String)

Private Declare Sub barcode Lib c:\windows\system\bcplib.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\bcplib.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\bcplib.dll ()

Private Declare Sub printlabel Lib c:\windows\system\bcplib.dll ( \_

ByVal NumberOfSet As String, \_ ByVal NumberOfCopy As String)

Private Declare Sub formfeed Lib c:\windows\system\bcplib.dll () Private Declare Sub nobackfeed Lib c:\windows\system\bcplib.dll () Private Declare Sub windowsfont Lib c:\windows\system\bcplib.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(“Bar code printer Deluxe 200”)

‘Call openport(“\\server\Bar code printer deluxe 200”) Call setup( 100 , 100 , 3 , 10 , 0 , 0 , 0 )

Call clearbuffer

Call printerfont( 10 , 10 , 4 , 0 , 1 , 1 , TEST PRINTOUT )

Call barcode( 10 , 80 , 39 , 96 , 1 , 0 , 2 , 4 , 0987654321 )

Call sendcommand( BAR 400,200,300,100 ) Call sendcommand( BOX 10,300,300,300,5 )

Call windowsfont(10, 10, 80,0,2, 0, arial , Arial font 80 pt )

Call printlabel( 1 , 2 ) Call closeport

End Sub

# FoxPro Example

declare openport in c:\windows\system\bcplib.dll string declare closeport in c:\windows\system\bcplib.dll declare sendcommand in c:\windows\system\bcplib.dll declare setup in c:\windows\system\bcplib.dll

string,string,string,string,string,string,string declare downloadpcx in c:\windows\system\bcplib.dll

string, string

declare barcode in c:\windows\system\bcplib.dll

string,string,string,string,string,string,string,string,string declare printerfont in c:\windows\system\bcplib.dll

string,string,string,string,string,string,string

declare clearbuffer in c:\windows\system\bcplib.dll

declare printlabel in c:\windows\system\bcplib.dll string,string declare formfeed in c:\windows\system\bcplib.dll

declare nobackfeed in c:\windows\system\bcplib.dll declare windowsfont in c:\windows\system\bcplib.dll

integer,integer,integer,integer,integer,integer,string,string

openport(“TSC CLEVER TTP-243”) 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, Arial , True type font test ) printlabel( 1 , 1 )

closeport()

# Delphi Declaration Example

procedure openport(PrinterName:pchar);stdcall;far;external ‘bcplib.dll’; procedure closeport; external ‘bcplib.dll’;

procedure sendcommand(Command:pchar);stdcall;far;external ‘bcplib.dll’; procedure setup(LabelWidth, LabelHeight, Speed, Density, Sensor, Vertical,

Offset:pchar);tsdcall; far; external ‘bcplib.dll’; procedure downloadpcx(Filename,ImageName:pchar);stdcall;far;

external ‘bcplib.dll’;

procedure barcode(X, Y, CodeType, Height, Readable, Rotation, Narrow, Wide, Code :pchar); stdcall; far; external ‘bcplib.dll’;

procedure printerfont(X, Y, FontName, Rotation, Xmul, Ymul, Content:pchar); stdcall;far; external ‘bcplib.dll’;

procedure clearbuffer; external ‘bcplib.dll’;

procedure printlabel(NumberOfSet, NumberOfCopoy:pchar);stdcall; far; external ‘bcplib.dll’;

procedure formfeed;external ‘bcplib.dll’; procedure nobackfeed; external ‘bcplib.dll’

procedure windowsfont (X, Y, FontHeight, Rotation, FontStyle,

FontUnderline : integer; FaceName, TextContect:pchar);stdcall;far;external ‘bcplib.dll’;

## Please note that the function name is case sensitive.