

## **API Manual**

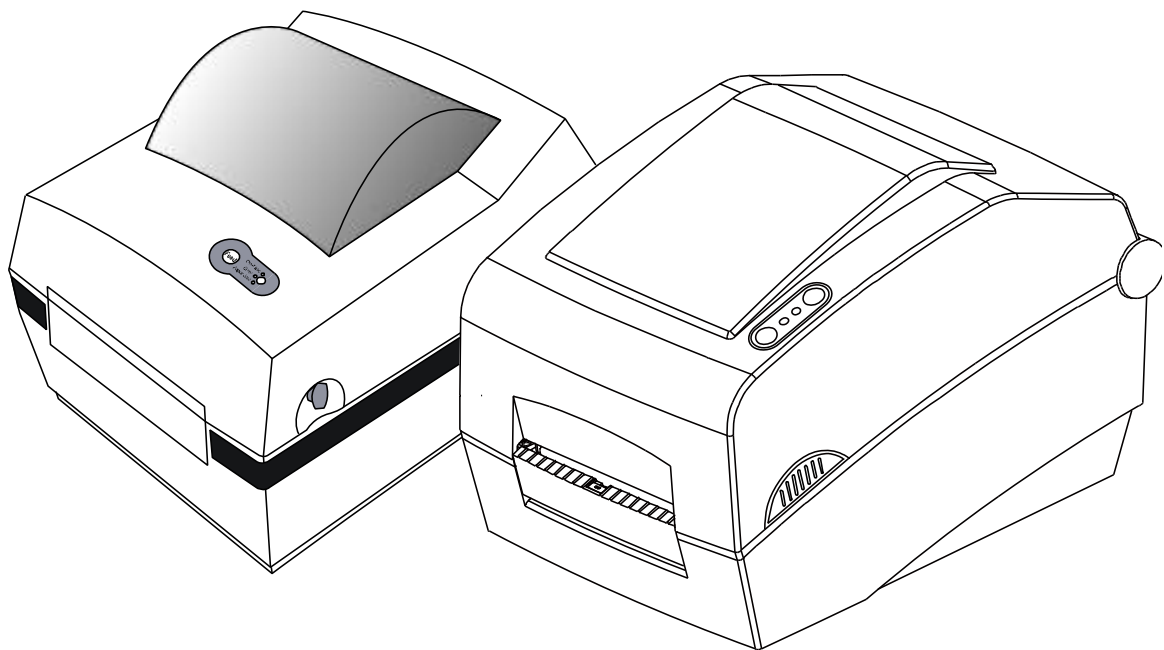
# **Label Printers**

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**Rev. 2.0.0.1**

**BXLLIB.DLL**

**BXLLIBX.CAB**



## 1. ConnectPrinter

The ConnectPrinter function connect to instance of printer which is installed in system.

```
BOOL ConnectPrinter(  
    LPCSTR szPrinterName  
);
```

### Parameters

szPrinterName  
[in] Name of printer instance to connect

### Return Values

If the function succeeds, the return value is 1 or TRUE.  
If the function fails, the return value is zero or FALSE.

## 2. DisconnectPrinter

The DisconnectPrinter function disconnect to instance of printer which is connected.

```
BOOL DisconnectPrinter();
```

### Return Values

If the function succeeds, the return value is 1 or TRUE.  
If the function fails, the return value is zero or FALSE.

## 3. StartLabel

The StartLabel function start to make label in printer.

```
BOOL StartLabel();
```

### Return Values

If the function succeeds, the return value is 1 or TRUE.  
If the function fails, the return value is zero or FALSE.

### Remarks

Must be called this function after call "ConnectPrinter" function.

## 4. EndLabel

The EndLabel function stop to make label in printer.

```
void EndLabel();
```

### Remarks

Must be called this function before call "DisconnectPrinter" function.

## 5. SetConfigOfPrinter

The SetConfigOfPrinter function set up properties of printer.

```
BOOL SetConfigOfPrinter(  
    int nSpeed,  
    int nDensity,  
    int nOrientation,  
    bool bAutoCut,  
    int nCuttingPeriod,  
    bool bBackFeeding,  
);
```

### Parameters

nSpeed

[in] Printing Speed

0: 2.5 ips

1: 3.0 ips

2: 4.0 ips

3: 5.0 ips

4: 6.0 ips

5: 7.0 ips

nDensity

[in] Printing Density (0 ~ 20)

nOrientation

[in] Printing Direction

0: Print from top to bottom

1: Print from bottom to top

bAutoCut

[in] Cut paper

0 or FALSE: Disable Cutter

1 or TRUE: Enable Cutter

nCuttingPeriod

[in] Cutting period

bBackFeeding

[in] Backfeed paper when printing start first

0 or FALSE: Disable backfeeding

1 or TRUE: Enable backfeeding

### Return Values

If the function succeeds, the return value is 1 or TRUE.

If the function fails, the return value is zero or FALSE.

## 6. SetPaper

The SetPaper function set up paper of printer.

```
BOOL SetPaper(  
    int nHorizontalMargin,  
    int nVerticalMargin,  
    int nPaperWidth,  
    int nPaperLength,  
    int nMediaType,  
    int nOffset  
    int nGapLengthORThicknessOfBlackLine  
);
```

### Parameters

nHorizontalMargin

[in] Horizontal margin

nVerticalMargin

[in] Vertical margin

nPaperWidth

[in] Paper width

nPaperHeight

[in] Paper height

nMediaType

[in] Media type

0: Gap

1: Continues

2: Blackmark

nOffset

[in] Offset of gap or blackmark

nGapLengthORThicknessOfBlackLine

[in] Gap length or thickness of black line [dots]

### Return Values

If the function succeeds, the return value is 1 or TRUE.

If the function fails, the return value is zero or FALSE.

## 7. ClearBuffer

The ClearBuffer function clean up memory of printer.

```
BOOL ClearBuffer();
```

### Return Values

If the function succeeds, the return value is 1 or TRUE.

If the function fails, the return value is zero or FALSE.

## 8. PrintDirect

The PrintDirect function send data to port directly.

```
BOOL PrintDirect(  
    LPCSTR pDirectData,  
);
```

### Parameters

pDirectData  
[in] Data to send

### Return Values

If the function succeeds, the return value is 1 or TRUE.  
If the function fails, the return value is zero or FALSE.

## 9. Prints

The Prints function start to print.

```
BOOL Prints(  
    int nLabelSet,  
    int nCopiesOfEachlabel  
);
```

### Parameters

nLabelSet  
[in] Number of label sets (1 ~ 65535)  
nCopiesOfEachLabel  
[in] Number of copies of each label.

### Return Values

If the function succeeds, the return value is 1 or TRUE.  
If the function fails, the return value is zero or FALSE.

## 10. PrintDeviceFont

The PrintDeviceFont function print the device font of printer.

```
BOOL PrintDeviceFont(  
    int nHorizontalPos,  
    int nVerticalPos,  
    int nFontName,  
    int nHorizontalMulti,  
    int nVerticalMulti,  
    int nRotation,  
    bool bBold,  
    LPCSTR szText  
);
```

### Parameters

nHorizontalPos

[in] Horizontal position

nVerticalPos

[in] Vertical position

nFontName

[in] Font Name

[0 ~ 9: EnglishFont]

0: Size 6 (9 x 15)

1: Size 8 (12 x 20)

2: Size 10 (16 x 25)

3: Size 12 (19 x 30)

4: Size 15 (24 x 38)

5: Size 20 (32 x 50)

6: Size 30 (48 x 76)

7: Size 14 (22 x 34)

8: Size 18 (28 x 44)

9: Size 24 (37 x 587)

[a ~ f] Korean Font or Chinese Font

a: Size 1 (16 x 16)

b: Size 2 (24 x 24)

c: Size 3 (20 x 20)

d: Size 4 (26 x 26)

e: Size 5 (38 x 38)

m: GB2312 (24 x 24)

n: BIG5 (24 x 24)

nHorizontalMulti

[in] Font width multiplier (1 ~ 4)

nVerticalMulti

[in] Font height multiplier

nRotation

[in] Rotation type

0: No rotation

1: 90 degrees (Clockwise)

2: 180 degrees (Clockwise)

3: 270 degrees (Clockwise)

bBold

[in] Bold font

0 or FALSE: Normal

1 or TRUE: Bold

szText

[in] Text to print

### Return Values

If the function succeeds, the return value is 1 or TRUE.

If the function fails, the return value is zero or FALSE.

## 11. PrintTrueFontLib

The PrintTrueFontLib function send data to port directly.

```
BOOL PrintTrueFontLib(  
    int nHorizontalPos,  
    int nVerticalPos,  
    LPCSTR strFontName,  
    int nFontSize,  
    int nRotation,  
    BOOL bItalic,  
    BOOL bBold,  
    BOOL bUnderline,  
    LPCSTR strText  
)
```

### Parameters

nHorizontalPos

[in] Horizontal position

nVerticalPos

[in] Vertical position

strFontName

[in] Pointer to a null-terminated string that specifies the name of true font

nFontSize

[in] Number of the size of true font.

nRotation

[in] Roation type

0: No rotation

1: 90 degrees (Clockwise)

2: 180 degrees (Clockwise)

3: 270 degrees (Clockwise)

bItalic

[in] Italic font

0 or FALSE: Normal

1 or TRUE: Italic

bBold

[in] Bold font

0 or FALSE: Normal

1 or TRUE: Bold

bUnderline

[in] Underline font

0 or FALSE: Normal

1 or TRUE: Bold

szText

[in] Text to print

### Return Values

If the function succeeds, the return value is 1 or TRUE.

If the function fails, the return value is zero or FALSE.

## 12. Print1DBarcode

The Print1DBarcode function print the 1D Barcode.

```
BOOL Print1DBarcode(  
    int nHorizontalPos,  
    int nVerticalPos,  
    int nBarcodeType,  
    int nNarrowBarWidth,  
    int nWideBarWidth,  
    int nBarcodeHeight,  
    int nRotation,  
    bool bHRI,  
    LPCSTR pData  
);
```

### Parameters

nHorizontalPos  
[in] Horizontal position

nVerticalPos  
[in] Vertical position

nBarcodeType  
[in] Barcode symbol type

nNarrowBarWidth  
[in] Narrow bar width

nWideBarWidth  
[in] Wide bar width

nBarcodeHeight  
[in] Height of Barcode

nRotation  
[in] Roation type  
0: No rotation  
1: 90 degrees (Clockwise)  
2: 180 degrees (Clockwise)  
3: 270 degrees (Clockwise)

bHRI  
[in] Human Readable Interpretation  
0: Not printed  
1: Below the bar code (FontSize : 1)  
2: Above the bar code (FontSize : 1)  
3: Below the bar code (FontSize : 2)  
4: Above the bar code (FontSize : 2)  
5: Below the bar code (FontSize : 3)  
6: Above the bar code (FontSize : 3)  
7: Below the bar code (FontSize : 4)  
8: Above the bar code (FontSize : 4)

pData  
[in] Barcode data

### Return Values

If the function succeeds, the return value is 1 or TRUE.  
If the function fails, the return value is zero or FALSE.



## 13. PrintQRCode

The PrintQRCode function print the QRCode.

```
BOOL PrintQRCode(  
    Int nXPos,  
    Int nYPos,  
    Int nModel,  
    Int nECCLevel,  
    Int nQRCodeSize,  
    Int nRotation,  
    LPCSTR pData,  
);
```

### Parameters

nXPos  
[in] Horizontal position (X) [dot]  
nYPos  
[in] Vertical position (Y) [dot]  
nModel  
[in] MODEL selection ( 1 or 2 )  
nECCLevel  
[in] ECC Level  
    L : 7%  
    M : 15%  
    Q : 25%  
    H : 30%  
nQRCodeSize  
[in] Barcode Size : 1~4  
nRotation  
[in] Rotation  
    0 : No Rotation  
    1 : 90 degrees  
    2 : 180 degrees  
    3 : 270 degrees  
pData  
[in] Barcode data

### Return Values

If the function succeeds, the return value is 1 or TRUE.  
If the function fails, the return value is zero or FALSE.

## 14. PrintBlock

The PrintBlock function draw line block.

```
BOOL PrintBlock(  
    int nHorizontalStartPos,  
    int nVerticalStartPos,  
    int nHorizontalEndPos,  
    int nVerticalEndPos,  
    int nOption,  
    int nThickness  
);
```

### Parameters

nHorizontalStartPosition  
[in] Horizontal start position of line block  
nVerticalStartPosition  
[in] Vertical start position of line block  
nHorizontalEndPosition  
[in] Horizontal end position of line block  
nVerticalEndPosition  
[in] Vertical end position of line block  
nOption  
[in] Option of line block  
0: Line Overwriting  
1: Line Exclusive OR  
2: Line Delete  
3: Slope  
4: Box  
nThickness  
[in] Thickness of line block

### Return Values

If the function succeeds, the return value is 1 or TRUE.  
If the function fails, the return value is zero or FALSE.

## 15. PrintCircle

The PrintCircle function draw circle.

```
BOOL PrintCircle(  
    int nHorizontalStartPos,  
    int nVerticalStartPos,  
    int nDiameter,  
    int nMulti,  
);
```

### Parameters

nHorizontalStartPosition  
[in] Horizontal start position of line block  
nVerticalStartPosition  
[in] Vertical start position of line block  
nDiameter  
[in] Circle diameter (1~6)  
nMulti  
[in] Circle multiplier (1~4)

### Return Values

If the function succeeds, the return value is 1 or TRUE.  
If the function fails, the return value is zero or FALSE.

## 16. PrintImageLib

The PrintImageLib function print image from image file.

```
BOOL PrintImageLib(  
    int nHorizontalStartPos,  
    int nVerticalStartPos,  
    LPCSTR pImageFilename,  
    int nDither,  
    BOOL bWithRLE  
);
```

### Parameters

nHorizontalStartPosition

[in] Horizontal start position of line block

nVerticalStartPosition

[in] Vertical start position of line block

pImageFilename

[in] Pointer to a null-terminated string that specifies the name of the image file.

nDither

[in] Dither option (-1, 0, 1, 6, 7)

bWithRLE

[in] Data compressed

### Return Values

If the function succeeds, the return value is 1 or TRUE.

If the function fails, the return value is zero or FALSE.

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