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## LK-B10/B20/B30 SDK(Software Development Kit)

Directory and Files

EPL\_SDK

LKBSDK

LKBSDK.H ; Visual C/C++ Header file

LKBSDK.LIB ; Visual C/C++ Lib file

LKBSDK.DLL ; Dynamic Linking Library

VC 6.0 Sample

CLKBSDL\_DEMO ; Visual C/C++ Sample Source

VB 6.0 Sample ; Visual Basic Sample Source

Prior to use LKBSDK DLL, please make sure "SEWOO Label Printer(Ver 2.40 Higher)" is installed on your system.

### 1. LK\_OpenPrinter(LPSTR PrinterName);

Windows printer spool and the device context are created.

PrinterName : The printer driver name. must be "SEWOO Label Printer"

*Return value*

0	:	Success
-2	:	Printer Open Fail
-3	:	Can't get DEVMODE's size
-4	:	Insufficient internal memory available
-5	:	Can't get DEVMODE
-6	:	Upgrade SEWOO Label Printer Driver(V2.40 high)

### 2. LK\_ClosePrinter(void);

Windows printer spool is closed.

*Return value*

0	:	Success
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### 3. LK\_StartPage(void);

This is always called at New Page.

*Return value*

0	:	Success
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#### 4. LK\_EndPage();

This is always called at End Page.

*Return value*

0 : Success

#### 5. LK\_SetupPrinter(LPSTR LabelWidth, LPSTR LabelLength, long MediaType, LPSTR GapHeight, LPSTR Offset, long Density, long Speed, long Copies );

LabelWidth : Set Label's width. Range is "10.0" ~ "104.0" (Unit is mm)

LabelLength : Set Label's length. Range is "5.0" ~ "350.0" (Unit is mm)

MediaType : 0=With Gap, 1=With Black Mark, 2=With Continuous.

GapHeight : If MediaType is Gap then Gap's height else Black Mark's height. (Unit is mm)

Offset : Start first line position at label's top. (Unit is mm)

Density : 0 ~ 15

Speed : 2 ~ 6 (Unit is Inch)

Copies : Multi-copies. (1 ~ 9999)

*Return value*

0 : Success  
 -1 : Invalid LabelWidth  
 -2 : Invalid LabelLength  
 -3 : Invalid MediaType  
 -4 : Invalid GapHeight  
 -5 : Invalid Offset  
 -6 : Invalid Density  
 -7 : Invalid Speed  
 -8 : Can't set/get DEVMODE  
 -9 : Can't make device context  
 -10 : Printer is not opened

#### 6. LK\_PrintWindowsFont( long PosX, // X position (Unit is Dot)

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```

        long    PosY,           // Y position (Unit is Dot)
        long    Degree,        // 0,90,180,270
        long    Height,        // TTF size (Unit is Dot)
        long    Weight,        // 0=Normal, 1=Bold
        long    Italic,        // 0=Normal, 1=Italic
        long    Underline,     // 0=Normal, 1=Underline
        LPSTR   TypeFace,     // ex> "Arial"
        LPSTR   Data           // text to be printed
    );
  
```

Print Windows Font(True Type Font)

PosX : Set X position to print the string. (Unit is Dot)

PosY : Set Y position to print the string. (Unit is Dot)

Degree : Set the string's degree. ( 0,90,180,270)

Height : Set the size of Font. (Unit is Dot)

Weight : 0=Normal, 1=Thick

Italic : 0=Normal, 1=Italic

Underline : 0=Normal, 1=Underline

TypeFace : Set Font's name. ex> "Arial"

Data : The text string to be printed. ex> "You look happy."

*Return value*

```

    0      :      Success
   -1      :      Can't create Font
   -2      :      SetupPrinter() is not called
  
```

```

7. LK_PrintBMP( long    PosX,           // X position (Unit is Dot)
                long    PosY,           // Y position (Unit is Dot)
                LPSTR   FileName        // BMP file name(including full path)
            );
  
```

PosX : Set X position to print the BMP file. (Unit is Dot)

PosY : Set Y position to print the BMP file. (Unit is Dot)

FileName : Set full path name. ex> "c:/my\_bmp\_folder/happy.bmp"

*Return value*

```

    0      :      Success
   -1      :      File open error
   -2      :      File read error
   -3      :      Not BMP file
  
```

---

-4 : *SetupPrinter() is not called*

8. LK\_PrintPCX( long PosX, // X position (Unit is Dot)  
                   long PosY, // Y position (Unit is Dot)  
                   LPSTR FileName // Mono PCX file name(including full path)  
                                   );

PosX : Set X position to print the PCX file. (Unit is Dot)

PosY : Set Y position to print the PCX file. (Unit is Dot)

FileName : Set full path name. ex> "c:/my\_pcx\_folder/happy.pcx"

*Return value*

0 : *Success*  
 -1 : *File open error*  
 -2 : *File read error*  
 -3 : *Not Mono PCX file*  
 -4 : *SetupPrinter() is not called*

9. LK\_PrintDeviceFont( long PosX, // X position (Unit is Dot)  
                           long PosY, // Y position (Unit is Dot)  
                           long Rotation, // 0,90,180,270  
                           long FontNumber, // 1,2,3,4,5,8 (8=option Korean Font)  
                           long HorExpand, // 1 ~ 8  
                           long VerExpand, // 1 ~ 9  
                           long Reverse, // 0=Normal, 1=Reverse  
                           LPSTR Data // Data String  
                           );

Print Device Font(Bitmap font)

PosX : Set X position to print the string. (Unit is Dot)

PosY : Set Y position to print the string. (Unit is Dot)

Rotation : Set the string's rotation. ( 0,90,180,270)

FontNumber : Set the built-in font in the printer. (1 ~ 5)

1 : 8 x 12 dots,  
 2 : 10 x 16 dots,  
 3 : 12 x 20 dots  
 4 : 14 x 24 dots,  
 5 : 32 x 48 dots

HorExpand : Horizontal multiplier, expands the text horizontally. Values: 1 ~ 8.

VerExpand : Vertical multiplier, expands the text vertically. Values: 1 ~ 8.

Reverse : 0=Normal, 1=Reverse

Data : The text string to be printed. ex> "Korean Mountain & River"

*Return value*

```

0      :      Success
-1     :      Can't create Font
-2     :      SetupPrinter() is not called
  
```

```

10. LK_PrintBarCode( long   PosX,           // X position (Unit is Dot)
                    long   PosY,           // Y position (Unit is Dot)
                    long   Rotation,       // 0,90,180,270
                    LPSTR  BarCode,       // type of Barcode
                    long   NarrowWidth,   // available 1 ~ 10
                    long   WideWidth,     // available 2 ~ 30
                    long   BarHeight,     // Height of Barcode (Unit is Dot)
                    long   Readable,      // 0='N', 1='B'
                    LPSTR  lpszStr        // Barcode content
                    );
  
```

PosX : Set X position to print the barcode. (Unit is Dot)

PosY : Set Y position to print the barcode. (Unit is Dot)

Rotation : Set the barcode's rotation. ( 0,90,180,270)

BarCode : Set barcode type. (Refer to LK-B10/20 Technical manual)

BarCode	Description
"3"	Code 39 std. or extended
"3C"	Code 39 with check digit.
"93"	Code 93.
"0"	Code 128 UCC Serial Shipping Container Code
"1"	Code 128 auto A, B, C modes.
"1A"	Code 128 mode A.
"1B"	Code 128 mode B.
"1C"	Code 128 mode C.
"K"	Codabar.
"E80"	EAN8.
"E82"	EAN8 2 digit add-on.
"E85"	EAN8 5 digit add-on.
"E30"	EAN13.

"E32"	EAN13 2 digit add-on.
"E35"	EAN13 5 digit add-on.
"2G"	German Post Code.
"2"	Interleaved 2 of 5.
"2C"	Interleaved 2 of 5 with mod 10 check digit.
"2D"	Interleaved 2 of 5 with human readable check digit.
"P"	Postnet 5, 9, 11 & 13 digit.
"PL"	Planet 11 & 13 digit.
"J"	Japanese Postnet.
"1E"	UCC/EAN 128.
"UA0"	UPC A.
"UA2"	UPC A 2 digit add-on.
"UA5"	UPC A 5 digit add-on.
"UE0"	UPC E.
"UE2"	UPC E 2 digit add-on.
"UE5"	UPC E 5 digit add-on.
"2U"	UPC Interleaved 2 of 5.
"L"	Plessey (MSI-1) with mod. 10 check digit.
"M"	MSI-3 with mod. 10 check digit.

NarrowWidth : Set narrow bar width. (Unit is Dot)

WideWidth : : Set wide bar width. (Unit is Dot)

BarHeight : Set barcode height. (Unit is Dot)

Readable : Set human readable. (0=No, 1=Yes)

lpszStr : The barcode string to be printed. ex> "123456789123"

*Return value*

0 : Success  
 -1 : Can't create Font  
 -2 : SetupPrinter() is not called

```

11. LK_PrintLine(long   PosX,           // X position (Unit is Dot)
                 long   PosY,           // Y position (Unit is Dot)
                 long   HoriSize,       // Horizontal size (Unit is Dot)
                 long   VertSize        // Vertical size (Unit is Dot)
                 );
  
```

PosX : Set X position to print the line. (Unit is Dot)

PosY : Set Y position to print the line. (Unit is Dot)

---

HoriSize : Set horizontal length. (Unit is Dot)

VertSize: Set vertical length. (Unit is Dot)

*Return value*

0	:	<i>Success</i>
-1	:	<i>Can't create Font</i>
-2	:	<i>SetupPrinter() is not called</i>

**12. LK\_PrintDiagonalLine**(long    StartX,           // Start X position (Unit is Dot)  
                                   long    StartY,           // Start Y position (Unit is Dot)  
                                   long    EndX,            // End X position (Unit is Dot)  
                                   long    EndY,            // End Y position (Unit is Dot)  
                                   long    Thick            // Line thick (Unit is Dot)  
                                   );

StartX : Set horizontal start position (X) . (Unit is Dot)

StartY : Set horizontal start position (Y) . (Unit is Dot)

EndX : Set horizontal end position (X) . (Unit is Dot)

EndY : Set horizontal end position (Y) . (Unit is Dot)

Thick : Set line thick. (Unit is Dot)

*Return value*

0	:	<i>Success</i>
-1	:	<i>Can't create Font</i>
-2	:	<i>SetupPrinter() is not called</i>

**13. LK\_PrintBox**( long    StartX,           // Start X position (Unit is Dot)  
                           long    StartY,           // Start Y position (Unit is Dot)  
                           long    EndX,            // End X position (Unit is Dot)  
                           long    EndY,            // End Y position (Unit is Dot)  
                           long    Thick            // Line thick (Unit is Dot)  
                           );

StartX : Set horizontal start position (X) . (Unit is Dot)

StartY : Set horizontal start position (Y) . (Unit is Dot)

EndX : Set horizontal end position (X) . (Unit is Dot)

EndY : Set horizontal end position (Y) . (Unit is Dot)

Thick : Set line thick. (Unit is Dot)

*Return value*

0	:	<i>Success</i>
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-1 : *Can't create Font*  
 -2 : *SetupPrinter() is not called*

```

14. LK_PrintDate (    long    PosX,          // X position (Unit is Dot)
                     long    PosY,          // Y position (Unit is Dot)
                     long    Degree,        // 0,90,180,270
                     long    Height,        // TTF size (Unit is Dot)
                     long    Weight,        // 0=Normal, 1=Bold
                     long    Italic,        // 0=Normal, 1=Italic
                     long    Underline,     // 0=Normal, 1=Underline
                     LPSTR   TypeFace,     // ex> "Arial"
                     long    DateFormat
                     );
  
```

PosX : Set X position to print the date. (Unit is Dot)

PosY : Set Y position to print the date. (Unit is Dot)

Degree : Set the date's degree. ( 0,90,180,270)

Height : Set the size of Font. (Unit is Dot)

Weight : 0=Normal, 1=Thick

Italic : 0=Normal, 1=Italic

Underline : 0=Normal, 1=Underline

TypeFace : Set Font's name. ex> "Arial"

DateFormat: Set date type.

0=MM/DD/YY

1=DD/MM/YY

2=YY/mm/DD

3=MM/DD/YYYY

4=DD/MM/YYYY

5=YYYY/mm/DD

*Return value*

0 : *Success*  
 -1 : *Can't create Font*  
 -2 : *SetupPrinter() is not called*

```

15. LK_LK_PrintTime (    long    PosX,          // X position (Unit is Dot)
                       long    PosY,          // Y position (Unit is Dot)
                       long    Degree,        // 0,90,180,270
  
```



---

```

    long    Height,          // TTF size (Unit is Dot)
    long    Weight,          // 0=Normal, 1=Bold
    long    Italic,          // 0=Normal, 1=Italic
    long    Underline,       // 0=Normal, 1=Underline
    LPSTR   TypeFace,        // ex> "Arial"
    long    TimeFormat
  );

```

PosX : Set X position to print the time. (Unit is Dot)

PosY : Set Y position to print the time. (Unit is Dot)

Degree : Set the time's degree. ( 0,90,180,270)

Height : Set the size of Font. (Unit is Dot)

Weight : 0=Normal, 1=Thick

Italic : 0=Normal, 1=Italic

Underline : 0=Normal, 1=Underline

TypeFace : Set Font's name. ex> "Arial"

TimeFormat : Set time type.

0=HH:MM

1=HH:MM:SS

2=HH/MM AM(PM)

3=HH/MM/SS AM(PM)

*Return value*

```

    0      :      Success
    -1     :      Can't create Font
    -2     :      SetupPrinter() is not called

```

## 16. LK\_SetupPrinterCutter (LPSTR LabelWidth,

```

    LPSTR LabelLength,
    long  MediaType,
    LPSTR GapHeight,
    LPSTR Offset,
    long  Density,
    long  Speed,
    long  Copies,
    long  Rotation,
    long  Cutting,
    long  CutMethod,

```

long CutPageInterval,  
 LPSTR FeedAfterCut );

LabelWidth : Set Llabel's width. Range is "10.0" ~ "104.0" (Unit is mm)

LabelLength : Set Llabel's length. Range is "5.0" ~ "350.0" (Unit is mm)

MediaType : 0=With Gap, 1=With Black Mark, 2=With Continuous.

GapHeight : If MediaType is Gap then Gap's height else Black Mark's height. (Unit is mm)

Offset : Start first line position at label's top. (Unit is mm)

Density : 0 ~ 15

Speed : 2 ~ 6 (Unit is Inch)

Copies : Multi-copies. (1 ~ 9999)

Rotation : Set the printing direction(0=Normal, 1=Rotate 180-degree)

Cutting : Set the cutting value. (0:None, 1:Tear Bar, 2:Cutting)

CutMethod: Set the cutting method.(0=every page,1=interval,2=every copy,3:after job)

CutPageInterval: Set the cutting page interval. (1 ~ 9999)

FeedAfterCut: Set the feed value after paper cutting. (12.5 ~ 14)

*Return value*

0	:	<i>Success</i>
-1	:	<i>Invalid LabelWidth</i>
-2	:	<i>Invalid LabelLength</i>
-3	:	<i>Invalid MediaType</i>
-4	:	<i>Invalid GapHeight</i>
-5	:	<i>Invalid Offset</i>
-6	:	<i>Invalid Density</i>
-7	:	<i>Invalid Speed</i>
-8	:	<i>Can't set/get DEVMODE</i>
-9	:	<i>Can't make device context</i>
-10	:	<i>Printer is not opened</i>

```

17. LK_DrawLine (      long   LineType,      // Line Pen Type (Unit is Dot)
                        long   sx,             // Start X position (Unit is Dot)
                        long   sy,             // Start Y position (Unit is Dot)
                        long   ex,             // End X position (Unit is Dot)
                        long   ey,             // End Y position (Unit is Dot)
                        long   Thick           // Line Thick size (Unit is Dot)
                        );
  
```

LineType : Set Pen type to print the line. (Unit is Dot)

sx : Set Start-X position to print the line. (Unit is Dot)

sy : Set Start-Y position to print the line. (Unit is Dot)

ex : Set End-X position to print the line. (Unit is Dot)

ey: Set End-Y position to print the line. (Unit is Dot)

Thick: Set Line thickness size. (Unit is Dot)

*Return value*

```

0      :      Success
-1     :      Can't create Font
-2     :      SetupPrinter() is not called

```

```

18. LK_ Rectangle (      long      LineType,      // Rectangle Pen Type (Unit is Dot)
                        long      sx,              // Start X position (Unit is Dot)
                        long      sy,              // Start Y position (Unit is Dot)
                        long      ex,              // End X position (Unit is Dot)
                        long      ey,              // End Y position (Unit is Dot)
                        long      Thick            // Rectangle Thick size (Unit is Dot)
                        );

```

LineType : Set Pen type to print the rectangle. (Unit is Dot)

sx : Set Start-X position to print the rectangle. (Unit is Dot)

sy : Set Start-Y position to print the rectangle. (Unit is Dot)

ex : Set End-X position to print the rectangle. (Unit is Dot)

ey: Set End-Y position to print the rectangle. (Unit is Dot)

Thick: Set rectangle thickness size. (Unit is Dot)

*Return value*

```

0      :      Success
-1     :      Can't create Font
-2     :      SetupPrinter() is not called

```

```

19. LK_ Ellipse ( long      LineType,      // Ellipse or Circle Pen Type (Unit is Dot)
                  long      sx,          // Start X position (Unit is Dot)
                  long      sy,          // Start Y position (Unit is Dot)
                  long      ex,          // End X position (Unit is Dot)
                  long      ey,          // End Y position (Unit is Dot)
                  long      Thick        // Ellipse or Circle Thick size (Unit is Dot)
                  );

```

LineType : Set Pen type to print the Ellipse or Circle. (Unit is Dot)

sx : Set Start-X position to print the Ellipse or Circle. (Unit is Dot)

sy : Set Start-Y position to print the Ellipse or Circle. (Unit is Dot)

ex : Set End-X position to print the Ellipse or Circle. (Unit is Dot)

ey : Set End-Y position to print the Ellipse or Circle. (Unit is Dot)

Thick : Set Ellipse or Circle thickness size. (Unit is Dot)

*Return value*

```

0      :      Success
-1     :      Can't create Font
-2     :      SetupPrinter() is not called

```

**20. LK\_PrintWindowsFontAlign** (long Alignment, // Alignment value.

```

long PosY,      // Y position (Unit is Dot)
long Degree,    // 0,90,180,270
long Height,    // TTF size (Unit is Dot)
long Weight,    // 0=Normal, 1=Bold
long Italic,    // 0=Normal, 1=Italic
long Underline, // 0=Normal, 1=Underline
LPSTR TypeFace, // ex> "Arial"
LPSTR Data      // text to be printed
);

```

Print Windows Font(True Type Font) with alignment

Alignment : Set the alignment value. (0=Left, 1=Center, 2=Right)

PosY : Set Y position to print the string. (Unit is Dot)

Degree : Set the string's degree. ( 0,90,180,270)

Height : Set the size of Font. (Unit is Dot)

Weight : 0=Normal, 1=Thick

Italic : 0=Normal, 1=Italic

Underline : 0=Normal, 1=Underline

TypeFace : Set Font's name. ex> "Arial"

Data : The text string to be printed. ex> "You look happy."

*Return value*

```

0      :      Success
-1     :      Can't create Font
-2     :      SetupPrinter() is not called

```

**21. LK\_PrintWindowsFontPitch** ( long PosX, // X position (Unit is Dot)

---

```

        long    PosY,          // Y position (Unit is Dot)
        long    Degree,        // 0,90,180,270
        long    Height,        // TTF height size (Unit is Dot)
        long    Width,         // TTF width size (Unit is Dot)
        long    Weight,        // 0=Normal, 1=Bold
        long    Italic,        // 0=Normal, 1=Italic
        long    Underline,     // 0=Normal, 1=Underline
        LPSTR   TypeFace,     // ex> "Arial"
        LPSTR   Data           // text to be printed
    );
  
```

Print Windows Font(True Type Font) with font width.

PosX : Set X position to print the string. (Unit is Dot)

PosY : Set Y position to print the string. (Unit is Dot)

Degree : Set the string's degree. ( 0,90,180,270)

Height : Set the height size of Font. (Unit is Dot)

Width : Set the width size of Font. (Unit is Dot)

Weight : 0=Normal, 1=Thick

Italic : 0=Normal, 1=Italic

Underline : 0=Normal, 1=Underline

TypeFace : Set Font's name. ex> "Arial"

Data : The text string to be printed. ex> "You look happy."

*Return value*

```

    0      :      Success
   -1      :      Can't create Font
   -2      :      SetupPrinter() is not called
  
```

## Examples of Visual C++

```
#pragma comment (lib, "LKBSDK.lib")    // Reference Library.
#define LUKHAN_LIBRARY      extern "C" __declspec(dllimport)
LUKHAN_LIBRARY      long  __stdcall
LK_OpenPrinter(
        LPSTR PrinterName      // Printer name : "LKKHAN Label Printer"
    );
LUKHAN_LIBRARY      long  __stdcall
LK_ClosePrinter(void);
LUKHAN_LIBRARY      long  __stdcall
LK_StartPage(void);
LUKHAN_LIBRARY      long  __stdcall
LK_EndPage();
LUKHAN_LIBRARY      long  __stdcall
LK_SetupPrinter(LPSTR LabelWidth,      // 10 ~ 104 (Unit is mm)
        LPSTR LabelLength,      // 5 ~ 350 (Unit is mm)
        long  MediaType,      // 0=Label with Gap, 1=Label with Black Mark,
                                // 2=Label with Continuous.
        LPSTR GapHeight,      //
        LPSTR Offset,      //
        long  Density,      // 0 ~ 15
        long  Speed,      // 2 ~ 6 (Unit is Inch)
        long  Copies      // 1 ~ 9999
    );
LUKHAN_LIBRARY      long  __stdcall
LK_PrintWindowsFont(
        long  PosX,      // X position (Unit is Dot)
        long  PosY,      // Y position (Unit is Dot)
        long  Degree,      // 0,90,180,270
        long  Height,      // TTF size (Unit is Dot)
        long  Weight,      // 0=Normal, 1=Bold
        long  Italic,      // 0=Normal, 1=Italic
        long  Underline,      // 0=Normal, 1=Underline
        LPSTR TypeFace,      // ex> "Arial"
        LPSTR Data      // text to be printed
    );
```

---

```

    );
LUKHAN_LIBRARY      long __stdcall
LK_PrintBMP(
    long    PosX,      // X position (Unit is Dot)
    long    PosY,      // Y position (Unit is Dot)
    LPSTR   FileName   // BMP file name(including full path)
);
LUKHAN_LIBRARY      long __stdcall
LK_PrintPCX(
    long    PosX,      // X position (Unit is Dot)
    long    PosY,      // Y position (Unit is Dot)
    LPSTR   FileName   // Mono PCX file name(including full path)
);
LUKHAN_LIBRARY      long __stdcall
LK_PrintDeviceFont(
    long    PosX,      // X position (Unit is Dot)
    long    PosY,      // Y position (Unit is Dot)
    long    Rotation,  // 0,90,180,270
    long    FontNumber, // 1,2,3,4,5,8 (8=option Korean Font)
    long    HorExpand,  // 1 ~ 8
    long    VerExpand,  // 1 ~ 9
    long    Reverse,    // 0=Normal, 1=Reverse
    LPSTR   Data        // Data String
);
LUKHAN_LIBRARY      long __stdcall
LK_PrintBarCode(
    long    PosX,      // X position (Unit is Dot)
    long    PosY,      // Y position (Unit is Dot)
    long    Rotation,  // 0,90,180,270
    LPSTR   BarCode,   //
    long    NarrowWidth, //
    long    WideWidth, //
    long    BarHeight,  // Height of Barcode (Unit is Dot)
    long    Readable,   // 0='N', 1='B'
    LPSTR   lpszStr     // Barcode content
);

```

---

---

```

LUKHAN_LIBRARY      long __stdcall
LK_PrintLine(
    long    PosX,          // X position (Unit is Dot)
    long    PosY,          // Y position (Unit is Dot)
    long    HoriSize,      // Horizontal size (Unit is Dot)
    long    VertSize // Verticak size (Unit is Dot)
);

LUKHAN_LIBRARY      long __stdcall
LK_PrintDiagonalLine(
    long    StartX,        // Start X position (Unit is Dot)
    long    StartY,        // Start Y position (Unit is Dot)
    long    EndX,          // End X position (Unit is Dot)
    long    EndY,          // End Y position (Unit is Dot)
    long    Thick          // Line thick (Unit is Dot)
);

LUKHAN_LIBRARY      long __stdcall
LK_PrintBox(
    long    StartX,        // Start X position (Unit is Dot)
    long    StartY,        // Start Y position (Unit is Dot)
    long    EndX,          // End X position (Unit is Dot)
    long    EndY,          // End Y position (Unit is Dot)
    long    Thick          // Line thick (Unit is Dot)
);

LUKHAN_LIBRARY      long __stdcall
LK_PrintDate(
    long    PosX,          // X position (Unit is Dot)
    long    PosY,          // Y position (Unit is Dot)
    long    Degree,        // 0,90,180,270
    long    Height,        // TTF size (Unit is Dot)
    long    Weight,        // 0=Normal, 1=Bold
    long    Italic,        // 0=Normal, 1=Italic
    long    Underline,     // 0=Normal, 1=Underline
    LPSTR   TypeFace,      // ex> "Arial"
    long    DateFormat     //
);

LUKHAN_LIBRARY      long __stdcall

```

---



---

```

LK_PrintTime(
    long    PosX,          // X position (Unit is Dot)
    long    PosY,          // Y position (Unit is Dot)
    long    Degree,        // 0,90,180,270
    long    Height,        // TTF size (Unit is Dot)
    long    Weight,        // 0=Normal, 1=Bold
    long    Italic,        // 0=Normal, 1=Italic
    long    Underline,     // 0=Normal, 1=Underline
    LPSTR   TypeFace,      // ex> "Arial"
    long    TimeFormat
);

LUKHAN_LIBRARY    long    __stdcall
LK_SetupPrinterCutter(LPSTR LabelWidth, // 10 ~ 104 (Unit is mm)
    LPSTR LabelLength, // 5~350 (Unit is mm)
    long  MediaType,    // 0=Label with Gap, 1=Label width Black Mark,
                        // 2=Label width Continuous.

    LPSTR GapHeight,
    LPSTR Offset,
    long  Density,      // 0~15
    long  Speed,        // 2~6 (Unit is Inch)
    long  Copies,       // Copy Count.
    long  Rotation,     // 180~Rotation value.
    long  Cutting,      // (0:없음, 1:뜯어내기, 2:절단)
    long  CutMethod,    // (0:모든 페이지 뒤,1:지정한 간격 뒤,
                        // 2:동일한 사본 뒤,3:작업뒤)

    long  CutPageInterval, // 페이지
    LPSTR FeedAfterCut
);

LUKHAN_LIBRARY    long    __stdcall
LK_DrawLine(
    long    LineType,     // Line Pen Type.
    long    sx,           // Start X position (Unit is Dot)
    long    sy,           // Start Y position (Unit is Dot)
    long    ex,           // End X position (Unit is Dot)
    long    ey,           // End Y position (Unit is Dot)
    long    Thick         // Line Thick.(Unit is Dot)

```

---

---

```
);
```

```
LUKHAN_LIBRARY      long __stdcall
LK_Rectangle(
    long    LineType,      // Line Pen Type.
    long    sx,            // Start X position (Unit is Dot)
    long    sy,            // Start Y position (Unit is Dot)
    long    ex,            // End X position (Unit is Dot)
    long    ey,            // End Y position (Unit is Dot)
    long    Thick          // Line Thick.(Unit is Dot)
);
```

```
LUKHAN_LIBRARY      long __stdcall
LK_Ellipse(
    long    LineType,      // Line Pen Type.
    long    sx,            // Start X position (Unit is Dot)
    long    sy,            // Start Y position (Unit is Dot)
    long    ex,            // End X position (Unit is Dot)
    long    ey,            // End Y position (Unit is Dot)
    long    Thick          // Line Thick.(Unit is Dot)
);
```

```
LUKHAN_LIBRARY      long __stdcall
LK_PrintWindowsFontAlign(
    long    Alignment,      // Alignment(0=Left, 1=Center, 2=Right)
    long    PosY,          // Y position (Unit is Dot)
    long    Degree,         // 0,90,180,270
    long    Height,         // TTF size (Unit is Dot)
    long    Weight,         // 0=Normal, 1=Bold
    long    Italic,         // 0=Normal, 1=Italic
    long    Underline,      // 0=Normal, 1=Underline
    LPSTR   TypeFace,       // ex> "Arial"
    LPSTR   Data            // text to be printed
);
```

```
LUKHAN_LIBRARY      long __stdcall
```

---

```

LK_PrintWindowsFontPitch(
    long    PosX,          // X position (Unit is Dot)
    long    PosY,          // Y position (Unit is Dot)
    long    Degree,        // 0,90,180,270
    long    Height,        // TTF size (Unit is Dot)
    long    Width,         // TTF size (Unit is Dot)
    long    Weight,        // 0=Normal, 1=Bold
    long    Italic,        // 0=Normal, 1=Italic
    long    Underline,     // 0=Normal, 1=Underline
    LPSTR   TypeFace,      // ex> "Arial"
    LPSTR   Data           // text to be printed
);

long rtn;
int nHeight;
/* 1. LK_OpenPrinter() */
if(LK_OpenPrinter("SEWOO Label Printer") != LK_SUCCESS){
    return;
}
/* 2. LK_SetupPrinter() */
rtn=LK_SetupPrinter(    "101.6",      // 10 ~ 104 (Unit is mm)
                       "152.4",      // 5 ~ 350 (Unit is mm)
                       0,             // 0=Label with Gap, 1=Label with Black Mark,
                                   // 2=Label with Continuous.
                       "3.1",        //
                       "0",          //
                       8,             // 0 ~ 15
                       6,            // 2 ~ 6 (Unit is Inch)
                       1             // 1 ~ 9999 copies
                       );

if(rtn != LK_SUCCESS){
    LK_ClosePrinter();
    return;
}
/* 3-1. page 1 test */

```

---

---

```
LK_StartPage();
    nHeight=31;
    LK_PrintWindowsFont(80,240,0,nHeight,0,0,0,"Arial","Korea Mountain & River");
    LK_PrintWindowsFont(80,320,0,nHeight,1,0,0,"Arial","Korea Mountain & River");
    LK_PrintWindowsFont(80,400,0,nHeight,0,1,0,"Arial","Korea Mountain & River");
    LK_PrintWindowsFont(80,480,0,nHeight,1,1,0,"Arial","Korea Mountain & River");
    LK_PrintWindowsFont(80,560,0,nHeight,0,1,1,"Arial","Korea Mountain & River");
    LK_PrintWindowsFont(80,640,0,nHeight,1,1,1,"Arial","Korea Mountain & River");
LK_EndPage();
/* 3-2. page 2 test */
LK_StartPage();
    nHeight=62;
    LK_PrintWindowsFont(80,240,0,nHeight,0,0,0,"Arial","Korea Mountain & River");
    LK_PrintWindowsFont(80,320,0,nHeight,1,0,0,"Arial","Korea Mountain & River");
    LK_PrintWindowsFont(80,400,0,nHeight,0,1,0,"Arial","Korea Mountain & River");
    LK_PrintWindowsFont(80,480,0,nHeight,1,1,0,"Arial","Korea Mountain & River");
    LK_PrintWindowsFont(80,560,0,nHeight,0,1,1,"Arial","Korea Mountain & River");
    LK_PrintWindowsFont(80,640,0,nHeight,1,1,1,"Arial","Korea Mountain & River");
LK_EndPage();
/* 4. LK_ClosePrinter() */
LK_ClosePrinter();
```

---

## Examples of Visual Basic

Option Explicit

```
Public Declare Function LK_OpenPrinter Lib "LKBSDK.dll" (ByVal PrinterName As String) As Long
```

```
Public Declare Function LK_ClosePrinter Lib "LKBSDK.dll" () As Long
```

```
Public Declare Function LK_StartPage Lib "LKBSDK.dll" () As Long
```

```
Public Declare Function LK_EndPage Lib "LKBSDK.dll" () As Long
```

```
Public Declare Function LK_SetupPrinter Lib "LKBSDK.dll" ( _
```

```
    ByVal LabelWidth As String, _
```

```
    ByVal LabelLength As String, _
```

```
    ByVal MediaType As Long, _
```

```
    ByVal GapHeight As String, _
```

```
    ByVal Offset As String, _
```

```
    ByVal Density As Long, _
```

```
    ByVal Speed As Long, _
```

```
    ByVal Copies As Long _
```

```
) As Long
```

```
Public Declare Function LK_PrintWindowsFont Lib "LKBSDK.dll" ( _
```

```
    ByVal PosX As Long, _
```

```
    ByVal PosY As Long, _
```

```
    ByVal Degree As Long, _
```

```
    ByVal Height As Long, _
```

```
    ByVal Weight As Long, _
```

```
    ByVal Italic As Long, _
```

```
    ByVal Underline As Long, _
```

```
    ByVal TypeFace As String, _
```

```
    ByVal Data As String _
```

```
) As Long
```

```
Public Declare Function LK_PrintBMP Lib "LKBSDK.dll" ( _
```

```
    ByVal PosX As Long, _
```

```
    ByVal PosY As Long, _
```

```
    ByVal FileName As String _
```

```
) As Long
```

```
Public Declare Function LK_PrintPCX Lib "LKBSDK.dll" ( _
```

```
    ByVal PosX As Long, _
```

---

```
        ByVal PosY As Long, _
        ByVal FileName As String _
    ) As Long

Public Declare Function LK_PrintDeviceFont Lib "LKBSDK.dll" ( _
    ByVal PosX As Long, _
    ByVal PosY As Long, _
    ByVal Rotation As Long, _
    ByVal FontNumber As Long, _
    ByVal HorExpand As Long, _
    ByVal VerExpand As Long, _
    ByVal Reverse As Long, _
    ByVal Data As String _
) As Long

Public Declare Function LK_PrintBarCode Lib "LKBSDK.dll" ( _
    ByVal PosX As Long, _
    ByVal PosY As Long, _
    ByVal Rotation As Long, _
    ByVal BarCode As String, _
    ByVal NarrowWidth As Long, _
    ByVal WideWidth As Long, _
    ByVal BarHeight As Long, _
    ByVal Readable As Long, _
    ByVal Data As String _
) As Long

Public Declare Function LK_PrintLine Lib "LKBSDK.dll" ( _
    ByVal PosX As Long, _
    ByVal PosY As Long, _
    ByVal HoriSize As Long, _
    ByVal VertSize As Long _
) As Long

Public Declare Function LK_PrintDiagonalLine Lib "LKBSDK.dll" ( _
    ByVal StartX As Long, _
    ByVal StartY As Long, _
    ByVal EndX As Long, _
    ByVal EndY As Long, _
    ByVal Thick As Long _
```

---

---

) As Long

Public Declare Function LK\_PrintBox Lib "LKBSDK.dll" ( \_

ByVal StartX As Long, \_

ByVal StartY As Long, \_

ByVal EndX As Long, \_

ByVal EndY As Long, \_

ByVal Thick As Long \_

) As Long

Public Declare Function LK\_PrintDate Lib "LKBSDK.dll" ( \_

ByVal PosX As Long, \_

ByVal PosY As Long, \_

ByVal Degree As Long, \_

ByVal Height As Long, \_

ByVal Weight As Long, \_

ByVal Italic As Long, \_

ByVal Underline As Long, \_

ByVal TypeFace As String, \_

ByVal DateFormat As Long \_

) As Long

Public Declare Function LK\_PrintTime Lib "LKBSDK.dll" ( \_

ByVal PosX As Long, \_

ByVal PosY As Long, \_

ByVal Degree As Long, \_

ByVal Height As Long, \_

ByVal Weight As Long, \_

ByVal Italic As Long, \_

ByVal Underline As Long, \_

ByVal TypeFace As String, \_

ByVal TimeFormat As Long \_

) As Long

Public Declare Function LK\_SetupPrinterCutter Lib "LKBSDK.dll" ( \_

ByVal LabelWidth As String, \_

ByVal LabelLength As String, \_

ByVal MediaType As Long, \_

ByVal GapHeight As String, \_

ByVal Offset As String, \_

---

```
        ByVal Density As Long, _
        ByVal Speed As Long, _
        ByVal Copies As Long, _
        ByVal Rotation As Long, _
        ByVal Cutting As Long, _
        ByVal CutMethod As Long, _
        ByVal CutPageInterval As Long, _
        ByVal FeedAfterCut As String _
    ) As Long

Public Declare Function LK_DrawLine Lib "LKBSDK.dll" ( _
    ByVal LineType As Long, _
    ByVal sx As Long, _
    ByVal sy As Long, _
    ByVal ex As Long, _
    ByVal ey As Long, _
    ByVal Thick As Long _
) As Long

Public Declare Function LK_Rectangle Lib "LKBSDK.dll" ( _
    ByVal LineType As Long, _
    ByVal sx As Long, _
    ByVal sy As Long, _
    ByVal ex As Long, _
    ByVal ey As Long, _
    ByVal Thick As Long _
) As Long

Public Declare Function LK_Ellipse Lib "LKBSDK.dll" ( _
    ByVal LineType As Long, _
    ByVal sx As Long, _
    ByVal sy As Long, _
    ByVal ex As Long, _
    ByVal ey As Long, _
    ByVal Thick As Long _
) As Long

Public Declare Function LK_PrintWindowsFontAlign Lib "LKBSDK.dll" ( _
    ByVal Alignment As Long, _
    ByVal PosY As Long, _
```

---



---

```
ByVal Degree As Long, _
ByVal Height As Long, _
ByVal Weight As Long, _
ByVal Italic As Long, _
ByVal Underline As Long, _
ByVal TypeFace As String, _
ByVal Data As String _
) As Long

Public Declare Function LK_PrintWindowsFontPitch Lib "LKBSDK.dll" ( _
    ByVal PosX As Long, _
    ByVal PosY As Long, _
    ByVal Degree As Long, _
    ByVal Height As Long, _
    ByVal Width As Long, _
    ByVal Weight As Long, _
    ByVal Italic As Long, _
    ByVal Underline As Long, _
    ByVal TypeFace As String, _
    ByVal Data As String _
) As Long

Private Sub Command1_Click()
    Dim rtn As Long
    Dim nHeight As Integer

    rtn = LK_OpenPrinter("SEWOO Label Printer")
    If rtn <> 0 Then
        Exit Sub
    End If

    rtn = LK_SetupPrinter("101.6", "152.4", 0, "3.1", "0", 8, 6, 1)
    If rtn <> 0 Then
        LK_ClosePrinter
        Exit Sub
    End If
```

---

---

LK\_StartPage

nHeight = 31

LK\_PrintWindowsFont 80, 240, 0, nHeight, 0, 0, 0, "Arial", "Korea Mountain & River"

LK\_PrintWindowsFont 80, 320, 0, nHeight, 1, 0, 0, "Arial", "Korea Mountain & River"

LK\_PrintWindowsFont 80, 400, 0, nHeight, 0, 1, 0, "Arial", "Korea Mountain & River"

LK\_PrintWindowsFont 80, 480, 0, nHeight, 1, 1, 0, "Arial", "Korea Mountain & River"

LK\_PrintWindowsFont 80, 560, 0, nHeight, 0, 1, 1, "Arial", "Korea Mountain & River"

LK\_PrintWindowsFont 80, 640, 0, nHeight, 1, 1, 1, "Arial", "Korea Mountain & River"

LK\_EndPage

LK\_StartPage

nHeight = 62

LK\_PrintWindowsFont 80, 240, 0, nHeight, 0, 0, 0, "Arial", "Korea Mountain & River"

LK\_PrintWindowsFont 80, 320, 0, nHeight, 1, 0, 0, "Arial", "Korea Mountain & River"

LK\_PrintWindowsFont 80, 400, 0, nHeight, 0, 1, 0, "Arial", "Korea Mountain & River"

LK\_PrintWindowsFont 80, 480, 0, nHeight, 1, 1, 0, "Arial", "Korea Mountain & River"

LK\_PrintWindowsFont 80, 560, 0, nHeight, 0, 1, 1, "Arial", "Korea Mountain & River"

LK\_PrintWindowsFont 80, 640, 0, nHeight, 1, 1, 1, "Arial", "Korea Mountain & River"

LK\_EndPage

LK\_ClosePrinter

End Sub