

# Windows SDK

## 説明手冊 (V1.2)



# Gainscha

開發平台/語言	範例代碼說明
C Sharp	<a href="#">第 8~9 頁</a>
Java	<a href="#">第 9~12 頁</a>
Javascript	<a href="#">第 12~14 頁</a>
ASP.NET	<a href="#">第 14~16 頁</a>
VB.NET	<a href="#">第 16~18 頁</a>
Access-VBA	<a href="#">第 18~19 頁</a>
Excel-VBA	<a href="#">第 19~20 頁</a>
Visual C++	<a href="#">第 20~23 頁</a>
FoxPro	<a href="#">第 23~24 頁</a>
Borland C++ Builder 6	待開發
Delphi	待開發

# Gainscha GTSPL.DLL 函式庫使用說明(V1.2)

## 1. openport(name)、openport\_USB()

- 函式說明：指定並開啟電腦端的輸出埠

- 參數說明：

- ➔ name：字串型別

- (1) 單機列印時，請指定印表機驅動程式名稱

- 如：Gainscha GS-2208D

- (2) 若連接網路印表機，請指定印表機路徑及共用印表機名稱

- 如：\\192.168.1.104\Gainscha GS-2208D

- (3) 指定 USB 傳輸介面時，不需要輸入

## 2. closeport()、closeport\_USB()

- 函式說明：關閉輸出埠

- 參數說明：無

## 3. sendcommand(command)、sendcommand\_USB(command)

- 函式說明：將內建命令傳送至印表機

- 參數說明：

- ➔ command：字串型別，設定指令內容，詳細指令請參考 TSPL 使用手冊

## 4. clearbuffer()、clearbuffer\_USB()

- 函式說明：清除圖像緩衝

- 參數說明：無

## 5. `setup(width, height, speed, density, sensor, sensorDistance, sensorOffset)`、

`setup_USB(width, height, speed, density, sensor, sensorDistance, sensorOffset)`

- 函式說明：設定標籤的寬度、高度、列印速度、列印熱度、感應器類別、間隙/黑標垂直間距、間隙/黑標偏移距離

- 參數說明：

參數	型別	說明
<b>width</b>	字串	設定標籤寬度，單位 mm
<b>height</b>	字串	設定標籤高度，單位 mm
<b>speed</b>	字串	設定列印速度，1~15，代表每秒 1~15 吋列印速度(隨機型不同會有不同列印最高上限，最高為每秒 15 吋列印速度)
<b>density</b>	字串	設定列印濃度，0~15，數字越大列印結果越黑
<b>sensor</b>	字串	設定使用感應器之類別； 0：表示使用間隙感測器(gap sensor) 1：表示使用黑標感測器(black mark sensor)
<b>sensorDistance</b>	字串	設定間隙/黑標垂直間距高度，單位 mm
<b>sensorOffset</b>	字串	設定間隙/黑標垂直間距高度，單位 mm，此參數若使用一般標籤時均設為 0

## 6. `barcode( x, y, type, height, readable, rotation, narrow, wide, content)`、

`barcode_USB( x, y, type, height, readable, rotation, narrow, wide, content)`

- 函式說明：使用印表機內建條碼列印

- 參數說明：

參數	型別	說明
<b>x</b>	字串	條碼 X 方向起始點，以點(dot)表示
<b>y</b>	字串	條碼 Y 方向起始點，以點(dot)表示
<b>type</b>	字串	設定條碼類型(Code Type)， <a href="#">請參考附件</a>
<b>height</b>	字串	設定條碼高度，高度以點來表示
<b>readable</b>	字串	設定是否列印條碼碼文 0:不列印 1:列印

<b>rotation</b>	字串	設定條碼旋轉角度 0：旋轉0度 90：旋轉90度 180：旋轉180度 270：旋轉270度
<b>narrow</b>	字串	設定條碼窄 bar 比例因子， <a href="#">請參考附件</a>
<b>wide</b>	字串	設定條碼寬 bar 比例因子， <a href="#">請參考附件</a>
<b>content</b>	字串	設定欲列印之條碼內容

## 7. `printerfont(x, y, size, rotation, x_scale, y_scale, content)`、

### `printerfont_USB(x, y, size, rotation, x_scale, y_scale, content)`

■ 函式說明：使用印表機內建文字列印

■ 參數說明：

參數	型別	說明
<b>x</b>	字串	文字 X 方向起始點，以點(dot)表示
<b>y</b>	字串	文字 Y 方向起始點，以點(dot)表示
<b>size</b>	字串	內建字型名稱 1: 8*/12 dots 2: 12*20 dots 3: 16*24 dots 4: 24*32 dots 5: 32*48 dots TST24.BF2: 繁體中文24*24 TST16.BF2: 繁體中文16*16 TSS24.BF2: 簡體中文24*24 TSS16.BF2: 簡體中文16*16
<b>rotation</b>	字串	設定文字旋轉角度 0：旋轉0度 90：旋轉90度 180：旋轉180度 270：旋轉 270 度
<b>x_scale</b>	字串	設定文字 X 方向放大倍率，1~8
<b>y_scale</b>	字串	設定文字Y方向放大倍率，1~8
<b>content</b>	字串	設定欲列印之文字內容

## 8. **formfeed()**、**formfeed\_USB()**

- 函式說明：跳頁，該函式需在 **setup** 後使用
- 參數說明：無

## 9. **nobackfeed()**、**nobackfeed\_USB()**

- 函式說明：設定紙張不回吐
- 參數說明：無

## 10. **printlabel (set, copy)**、**printlabel \_USB(set, copy)**

- 函式說明：列印標籤內容
- 參數說明：
  - ➔ **set**：字串型別，設定列印標籤式數(set)
  - ➔ **copy**：字串型別，設定列印標籤份數(copy)

## 11. **downloadpcx (filename,memoryname)**、**downloadpcx\_USB (filename,memoryname)**

- 函式說明：下載單色 PCX 格式圖檔至印表機
- 參數說明：
  - ➔ **filename**：字串型別，檔案名稱(可包含路徑)
  - ➔ **memoryname**：下載至印表機記憶體內之檔名(請使用大寫檔名)

## 12. **downloadbmp (filename, memoryname)**、**downloadbmp\_USB (filename, memoryname)**

- 函式說明：下載單色 BMP 格式圖檔至印表機
- 參數說明：
  - ➔ **filename**：字串型別，檔案名稱(可包含路徑)
  - ➔ **memoryname**：下載至印表機記憶體內之檔名(請使用大寫檔名)

### 13. windowfont (x,y,height,rotation,fontstyle,underline,fontname,content)

#### windowfont\_USB (x,y,height,rotation,fontstyle,underline,fontname,content)

- 函式說明：使用 Windows TTF 字型列印文字
- 參數說明：

參數	型別	說明
<b>x</b>	int	文字 X 方向起始點，以點(dot)表示
<b>y</b>	int	文字 Y 方向起始點，以點(dot)表示
<b>height</b>	int	字體高度，以點(dot)表示
<b>rotation</b>	int	設定旋轉角度，逆時鐘方向旋轉 0：旋轉0度 90：旋轉90度 180：旋轉180度 270：旋轉 270 度
<b>fontstyle</b>	int	設定字體外型 0：標準(Normal) 1：斜體(Italic) 2：粗體(Bold) 3：粗斜體(Bold and Italic)
<b>underline</b>	int	設定底線 0：無底線 1：加底線
<b>fontname</b>	字串	Windows字體名稱，如: Arial, Times new Roman, 細明體, 標楷體
<b>content</b>	字串	設定欲列印之文字內容

### 14. getDLLVersion (returnWay) 、getDLLVersion\_USB(returnWay)

- 函式說明：回傳此 SDK 版本號
- 參數說明：
  - ➔ retrunWay：int 型別，輸入 0 除返回 SDK 版本號外，會跳出 SDK 版本訊息

### 15. printerstatus\_USB ()

- 函式說明：回傳印表機狀態，需用字串變數接收回傳訊息
- 參數說明：無
- 回傳字串說明：

回傳字串	印表機狀態
00	就緒
01	上蓋開啟
02	卡紙
03	卡紙且上蓋開啟
04	標籤用盡
05	標籤用盡且上蓋開啟
08	碳帶用盡
09	碳帶用盡且上蓋開啟
0A	碳帶用盡且卡紙
0B	碳帶用盡、卡紙且上蓋開啟
0C	碳帶用盡且標籤用盡
0D	碳帶用盡、標籤用盡且上蓋開啟
10	暫停
20	列印中
80	其他錯誤



## ● C#(.Netframework)

1.需先將 GTSPL\_SDK.dll 加入參考

2.匯入 GTSPL\_SDK：

```
using GTSPL_SDK;
```

3.範例程式：

```
//單機列印
```

```
Driver driver = new Driver();
```

```
driver.openport("Gainscha GS-2208D");
```

```
driver.setup("54", "30", "2", "3", "0", "3", "0");
```

```
driver.sendcommand("DIRECTION 1");
```

```
driver.clearbuffer();
```

```
driver.barcode("30", "30", "128", "100", "1", "0", "2", "2", "barcode1234567");
```

```
driver.printerfont("50", "10", "3", "0", "1", "1", "Print Font 123456");
```

```
string file = Environment.CurrentDirectory;
```

```
driver.downloadbmp(file + "\\CIRCLE.BMP", "CIRCLE.BMP");
```

```
driver.sendcommand("PUTBMP 150,30,\"CIRCLE.BMP\"");
```

```
driver.windowfont(100, 20, 48, 0, 0, 0, "arial", "C# Driver test");
```

```
driver.printlabel("1", "1");
```

```
driver.closeport();
```

```
//指定 USB 傳輸介面
```

```
USB usb = new USB();
```

```
usb.openport_USB();
```

```
usb.setup_USB("54", "30", "2", "3", "0", "3", "0");
```

```

usb.sendcommand_USB("DIRECTION 1");

usb.clearbuffer_USB();

usb.barcode_USB("30", "30", "128", "100", "1", "0", "2", "2", "barcode1234567");

usb.printerfont_USB("50", "10", "3", "0", "1", "1", "Print Font 123456");

string file = Environment.CurrentDirectory;

usb.downloadpcx_USB(file + "\\UL.PCX", "UL.PCX"

usb.windowfont_USB(10, 100, 48, 0, 0, 0, "arial", "C# WIN TEST"));

usb.printlabel_USB("1", "1");

var status = usb.printerstatus_USB();

//簡中打印

string stString="默认简体中文测试";

usb.clearbuffer_USB();

usb.printerfont_USB (100, 10, "TSS24.BF2", 0, 1, 1, stString);

usb.printlabel_USB (1, 1, this);

//繁中打印

string ttString="默認繁體中文測試";

usb.clearbuffer_USB();

usb.printerfont_USB(100, 10, " TST24.BF2", 0, 1, 1, ttString);

usb.printlabel_USB(1, 1, this);

usb.closePort_USB(1000);

usb.getDLLVersion_USB(1);

```

## ● Java

1.需先匯入 jan-5.5.0.jar :

```
import com.sun.jna.Library;
```

```
import com.sun.jna.Native;
```

## 2. 建立調用 dll 的 class 調用 dll

```
class GTSPL {

    interface GTSPL_SDK extends Library {

        GTSPL_SDK INSTANCE = (GTSPL_SDK) Native.load("GTSPL_SDK_C", GTSPL_SDK.class);

        int openport_USB();

        int openport(String PrinterName);

        ....

    }

}
```

## 3. 範例程式：

```
System.load(System.getProperty("user.dir") + "\\GTSPL_SDK_C.dll");

//單機列印

GTSPL.GTSPL_SDK.INSTANCE.openport("Gainscha GS-2208D");

GTSPL.GTSPL_SDK.INSTANCE.setup("54", "30", "2", "3", "0", "3", "0");

GTSPL.GTSPL_SDK.INSTANCE.sendcommand("DIRECTION 1");

GTSPL.GTSPL_SDK.INSTANCE.clearbuffer();

GTSPL.GTSPL_SDK.INSTANCE.barcode("30", "30", "128", "100", "1", "0", "2", "2",
"barcode1234567");

GTSPL.GTSPL_SDK.INSTANCE.printerfont("50", "10", "2", "0", "1", "1", "Print Font 123456");

GTSPL.GTSPL_SDK.INSTANCE.downloadbmp(System.getProperty("user.dir") + "\\CIRCLE.BMP",
"CIRCLE.BMP");

GTSPL.GTSPL_SDK.INSTANCE.windowfont(5, 150, 48, 0, 0, 0, "arial", "JAVA WIN DRIVER");

GTSPL.GTSPL_SDK.INSTANCE.sendcommand("PUTBMP 150,30,\"CIRCLE.BMP\"");

GTSPL.GTSPL_SDK.INSTANCE.printlabel("1", "1");

GTSPL.GTSPL_SDK.INSTANCE.closeport();

GTSPL.GTSPL_SDK.INSTANCE.getDLLVersion(0);
```

//指定 USB 傳輸介面

```

GTSP.LGTSP.L_SDK.INSTANCE.openport_USB();

GTSP.LGTSP.L_SDK.INSTANCE.setup_USB("54", "30", "2", "3", "0", "3", "0");

GTSP.LGTSP.L_SDK.INSTANCE.sendcommand_USB("DIRECTION 1");

GTSP.LGTSP.L_SDK.INSTANCE.clearbuffer_USB();

GTSP.LGTSP.L_SDK.INSTANCE.barcode_USB("30", "30", "128", "100", "1", "0", "2", "2",
"barcode1234567");

GTSP.LGTSP.L_SDK.INSTANCE.printerfont_USB("50", "10", "2", "0", "1", "1", "Print Font 123456");

GTSP.LGTSP.L_SDK.INSTANCE.windowfont(5, 150, 48, 0, 0, 0, "arial", "JAVA WIN DRIVER");

GTSP.LGTSP.L_SDK.INSTANCE.downloadpcx_USB(System.getProperty("user.dir")+ "\\UL.PCX",
"UL.PCX");

GTSP.LGTSP.L_SDK.INSTANCE.sendcommand_USB("PUTPCX 50,10,\"UL.PCX\"");

GTSP.LGTSP.L_SDK.INSTANCE.printlabel_USB("1", "1");

String status = GTSP.LGTSP.L_SDK.INSTANCE.printerstatus_USB();

```

//簡中打印

```

String stString="默认简体中文测试";

GTSP.LGTSP.L_SDK.INSTANCE.clearbuffer_USB();

GTSP.LGTSP.L_SDK.INSTANCE.printerfont_USB (100, 10, "TSS24.BF2", 0, 1, 1, stString);

GTSP.LGTSP.L_SDK.INSTANCE.printlabel_USB (1, 1);

```

//繁中打印

```

String ttString="默认繁體中文測試";

GTSP.LGTSP.L_SDK.INSTANCE.clearbuffer_USB();

GTSP.LGTSP.L_SDK.INSTANCE.printerfont_USB (100, 10, "TST24.BF2", 0, 1, 1, ttString);

```

```

GTSP.LGTSP.L_SDK.INSTANCE.printlabel_USB(1, 1);

GTSP.LGTSP.L_SDK.INSTANCE.closeport_USB(1, 1);

GTSP.LGTSP.L_SDK.INSTANCE.getDLLVersion(0);

```

#### 4.DLL 放置位置：

GTSP.L\_SDK\_C.dll 放在與執行檔.jar 相同位置

GTSP.L\_SDK.dll 開發測試時，放在 jdk 的 bin 資料夾下

如：C:\Program Files\Java\jdk1.8.0\_221\bin

GTSP.L\_SDK.dll 未安裝 jdk 要直接執行.jar 執行檔時，放在 jre 的 bin 資料夾下

如：C:\Program Files\Java\jre1.8.0\_251\bin

## ● Javascript

### 1.使用管理員身分開啟命令提示字元

### 2.註冊 dll

將 x86 的 dll 放到 Windows/Syswow64，x64 的 dll 放在 Windows/System32

進入 microsoft.net framework 的安裝路徑下

如：cd C:\Windows\Microsoft.NET\Framework64\v4.0.30319

\*x64 的 dll 註冊在 C:\Windows\Microsoft.NET\Framework64\v4.0.30319

\*x86 的 dll 註冊在 C:\Windows\Microsoft.NET\Framework\v4.0.30319

輸入指令 regasm.exe /register /tlb <dll path>

輸入指令 regasm.exe <dll path> /codebase

如：regasm.exe /register /tlb C:\Users\User\Desktop\Javascript\_Sample\_Code\GTSP.L\_SDK.dll

regasm.exe C:\Users\User\source\repos\product\GTSP.L\_SDK \GTSP.L\_SDK.dll /codebase

### 3.範例程式：

```
<script language="javascript" type="text/javascript">
```

```
//單機列印
```

```

var driverObject = new ActiveXObject("GTSPL_SDK.Driver");

driverObject.openport("Gainscha GS-2208D");

driverObject.setup("54", "30", "2", "3", "0", "3", "0");

driverObject.sendcommand("DIRECTION 1");

driverObject.clearbuffer();

driverObject.barcode("30", "30", "128", "100", "1", "0", "2", "2", "barcode1234567");

driverObject.printerfont("50", "10", "3", "0", "1", "1", "Print Font 123456");

var file = getFilePath();

driverObject.downloadpcx(file + "\\UL.PCX", "UL.PCX");

driverObject.sendcommand("PUTPCX 50,10,\"UL.PCX\"");

driverObject.windowfont(50, 20, 48, 0, 0, 0, "arial", "Windows Font Test123467");

driverObject.getDLLVersion(1)

driverObject.printlabel("1", "1");

driverObject.closeport();

```

//指定 USB 傳輸介面

```

var usbObject = new ActiveXObject("GTSPL_SDK.USB");

usbObject.openport_USB();

usbObject.setup_USB("54", "30", "2", "3", "0", "3", "0");

usbObject.sendcommand_USB("DIRECTION 1");

usbObject.clearbuffer_USB();

usbObject.barcode_USB("30", "30", "128", "100", "1", "0", "2", "2", "barcode1234567");

usbObject.printerfont_USB("50", "10", "3", "0", "1", "1", "Print Font 123456");

var file = getFilePath();

usbObject.downloadbmp_USB(file + "\\CIRCLE.BMP", "CIRCLE.BMP");

usbObject.sendcommand_USB("PUTBMP 150,30,\"CIRCLE.BMP\"");

```

```

usbObject.windowfont_USB(10, 100, 48, 0, 0, 0, "arial", "Windows Font Test");

var status = usbObject.printerstatus_USB();

usbObject.printlabel_USB("1", "1");

//簡中打印

string stString="默认简体中文测试";

usbObject.clearbuffer_USB();

usbObject.printerfont_USB(100, 10, "TSS24.BF2", 0, 1, 1, stString);

usbObject.printlabel_USB(1, 1,);

//繁中打印

string ttString="默認繁體中文測試";

usbObject.clearbuffer_USB();

usbObject.printerfont_USB (100, 10, " TST24.BF2", 0, 1, 1, ttString);

usbObject.printlabel_USB (1, 1);

usbObject.getDLLVersion_USB(1);

usbObject.closeport_USB();

usbObject.getDLLVersion_USB(0)

</script>

```

## ● Asp.Net

- 1.加入 x86 的 dll 進專案
- 2.範例程式：

```

//單機列印

GTSPL_SDK.Driver driver = new GTSPL_SDK.Driver();

driver.openport("Gainscha GS-2208D");

```

```

driver.setup("54", "30", "2", "3", "0", "3", "0");

driver.sendcommand("DIRECTION 1");

driver.clearbuffer();

driver.barcode("30", "30", "128", "100", "1", "0", "2", "2", "barcode1234567");

string path = HttpContext.Current.Server.MapPath("~/");

driver.downloadpcx(path + "\\CIRCLE.BMP", "CIRCLE.BMP");

driver.sendcommand("PUTBMP 150,30,\"CIRCLE.BMP\"");

driver.windowfont(50, 20, 48, 0, 0, 0, "impact", "Windows Font ASP.NET");

driver.getDLLVersion(1);

driver.printlabel("1", "1");

driver.closeport();

```

//指定 USB 傳輸介面

```

GTSPL_SDK.USB usb = new GTSPL_SDK.USB();

usb.openport_USB();

usb.setup_USB("54", "30", "2", "3", "0", "3", "0");

usb.sendcommand_USB("DIRECTION 1");

usb.clearbuffer_USB();

usb.barcode_USB("30", "30", "128", "100", "1", "0", "2", "2", "barcode1234567usb");

usb.printerfont_USB("50", "10", "3", "0", "1", "1", "Print Font usb Asp");

usb.downloadpcx_USB(path + "\\UL.PCX", "UL.PCX");

usb.sendcommand_USB("PUTPCX 50,10,\"UL.PCX\"");

usb.windowfont_USB(10, 100, 48, 0, 0, 0, "impact", "Windows Font ASP USB");

usb.printlabel_USB("1", "1");

var status = usb.printerstatus_USB();

usb.getDLLVersion_USB(1);

```



//簡中打印

```
string stString="默认简体中文测试";
usb.clearbuffer_USB();
usb.printerfont_USB(100, 10, "TSS24.BF2", 0, 1, 1, stString);
usb.printlabel_USB(1, 1);
```

//繁中打印

```
string ttString="默認繁體中文測試";
usb.clearbuffer_USB();
usb.printerfont_USB (100, 10, " TST24.BF2", 0, 1, 1, ttString);
usb.printlabel_USB (1, 1);
usb.closeport_USB();
```

## ● VB.Net

1.加入 dll 進專案

2.範例程式：

```
Dim path = Environment.CurrentDirectory
//單機列印
Dim driver As New GTSPL_SDK.Driver
driver.openport("Gainscha GS-2208D")
driver.setup("54", "30", "2", "3", "0", "3", "0")
driver.sendcommand("DIRECTION 1")
driver.clearbuffer()
driver.barcode("30", "30", "128", "100", "1", "0", "2", "2", "barcode1234567")
driver.printerfont("50", "10", "3", "0", "1", "1", "PrintFont in vb.net")
```

```

driver.downloadbmp(path + "\\CIRCLE.BMP", "CIRCLE.BMP")

driver.sendcommand("PUTBMP 50,10, ""CIRCLE.BMP""")

driver.windowfont(50, 20, 48, 0, 0, 0, "impact", "VB Imapct Driver")

driver.printlabel("1", "1")

driver.closeport()

```

//指定 USB 傳輸介面

```

Dim usb As New GTSPL_SDK.USB

usb.openport_USB()

usb.setup_USB("54", "30", "2", "3", "0", "3", "0")

usb.sendcommand_USB("DIRECTION 1")

usb.clearbuffer_USB()

usb.barcode_USB("30", "30", "128", "100", "1", "0", "2", "2", "barcode1234567")

usb.downloadbmp_USB(path + "\\CIRCLE.BMP", "CIRCLE.BMP")

usb.sendcommand_USB("PUTBMP 50,10, ""CIRCLE.BMP""")

usb.windowfont_USB(50, 20, 48, 0, 0, 0, "impact", "VB Imapct Driver")

Dim status = usb.printerstatus_USB()

Dim vcode = usb.getDLLVersion_USB("1")

usb.printlabel_USB("1", "1")

usb.closeport_USB()

```

//簡中打印

```

usb.clearbuffer_USB();

usb.printerfont_USB(100, 10, "TSS24.BF2", 0, 1, 1, "默认简体中文测试");

usb.printlabel_USB(1, 1);

```

//繁中打印

```
usb.clearbuffer_USB();

usb.printerfont_USB (100, 10, " TST24.BF2", 0, 1, 1, "默認繁體中文測試");

usb.printlabel_USB (1, 1);

usb.closeport_USB();
```

## ● Access VBA

1.使用管理員身分開啟命令提示字元

2.註冊 dll

將 x86 的 dll 放到 Windows/Syswow64

進入 microsoft.net framework 的安裝路徑下

如：cd C:\Windows\Microsoft.NET\Framework\v4.0.30319

輸入指令 regasm.exe /register /tlb <dll path>

輸入指令 regasm.exe <dll path> /codebase

如：regasm.exe /register /tlb C:\Users\User\Desktop\Javascript\_Sample\_Code\GTSPL\_SDK.dll

regasm.exe C:\Users\User\source\repos\product\GTSPL\_SDK \GTSPL\_SDK.dll /codebase

3.範例程式：

```
Dim usb As New GTSPL_SDK.usb

Dim path As String

usb.openport_USB()

Call usb.clearbuffer_USB

Call usb.setup_USB("54", "39", "4", "7", "0", "3", "0")

Call usb.clearbuffer_USB

Call usb.printerfont_USB(10, 20, 2, 0, 1, 1, "Product Management")

Call usb.printerfont_USB(10, 40, 2, 0, 1, 1, "Product No. : ")
```

```

Call usb.barcode_USB("10", "60", "128", "50", "1", "0", "1", "1", ProductNo)

Call usb.printerfont_USB(10, 140, 2, 0, 1, 1, "Product Name : " + ProductName)

Call usb.printerfont_USB(10, 160, 2, 0, 1, 1, "Unit Price : " + UnitPrice)

Call usb.printerfont_USB(10, 180, 2, 0, 1, 1, "Amount : " + Amount)

Call usb.printerfont_USB(10, 200, 2, 0, 1, 1, "Total Price : " + TotalPrice)

Call usb.sendcommand_USB("PUTBMP 10,230,""LOGO.BMP"")

Call usb.printlabel_USB("1", "1")

Call usb.closeport_USB

```

## ● Excel VBA

1.使用管理員身分開啟命令提示字元

2.註冊 dll

將 x86 的 dll 放到 Windows/Syswow64

進入 microsoft.net framework 的安裝路徑下

如：cd C:\Windows\[Microsoft.NET](#)\Framework\v4.0.30319

輸入指令 regasm.exe /register /tlb <dll path>

輸入指令 regasm.exe <dll path> /codebase

如：regasm.exe /register /tlb C:\Users\User\Desktop\Javascript\_Sample\_Code\GTSPL\_SDK.dll

regasm.exe C:\Users\User\source\repos\product\GTSPL\_SDK\GTSPL\_SDK.dll /codebase

3.範例程式：

```

Dim driver As New GTSPL_SDK.driver

Dim path As String

openport = driver.openport("Gainscha GS-2208D")

Call driver.setup("54", "20", "2", "3", "0", "3", "0")

Call driver.sendcommand("DIRECTION 1")

```

Call driver.clearbuffer

Call driver.barcode("30", "30", "128", "100", "1", "0", "2", "2", "barcode1234567")

Call driver.printerfont("50", "10", "3", "0", "1", "1", "PrintFont in vba\_xls")

Call driver.downloadpcx(path + "\\UL.PCX", "UL.PCX")

Call driver.sendcommand("PUTPCX 50,10,\"\"UL.PCX\"\"")

Call driver.windowfont(50, 20, 48, 0, 0, 0, "impact", "VBAEX Driver")

Call driver.printlabel("1", "1")

Call driver.closeport

## ● Visual C++

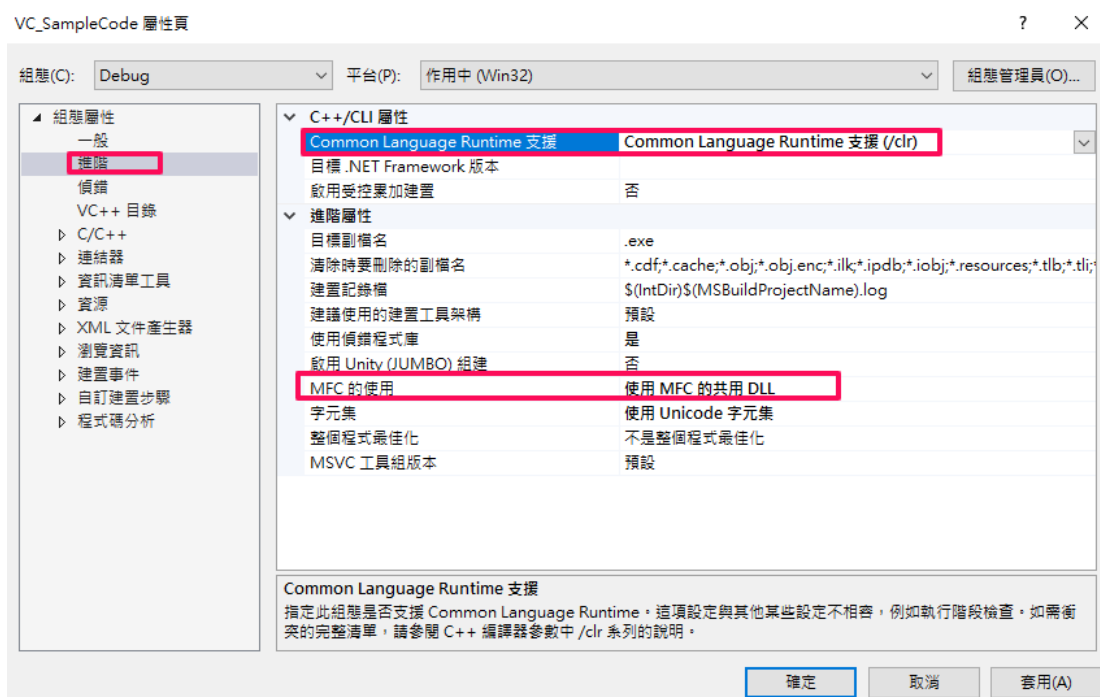
### 1.設定專案屬性

要支援 dll 必須將 Commone Language Runtime 支援啟動

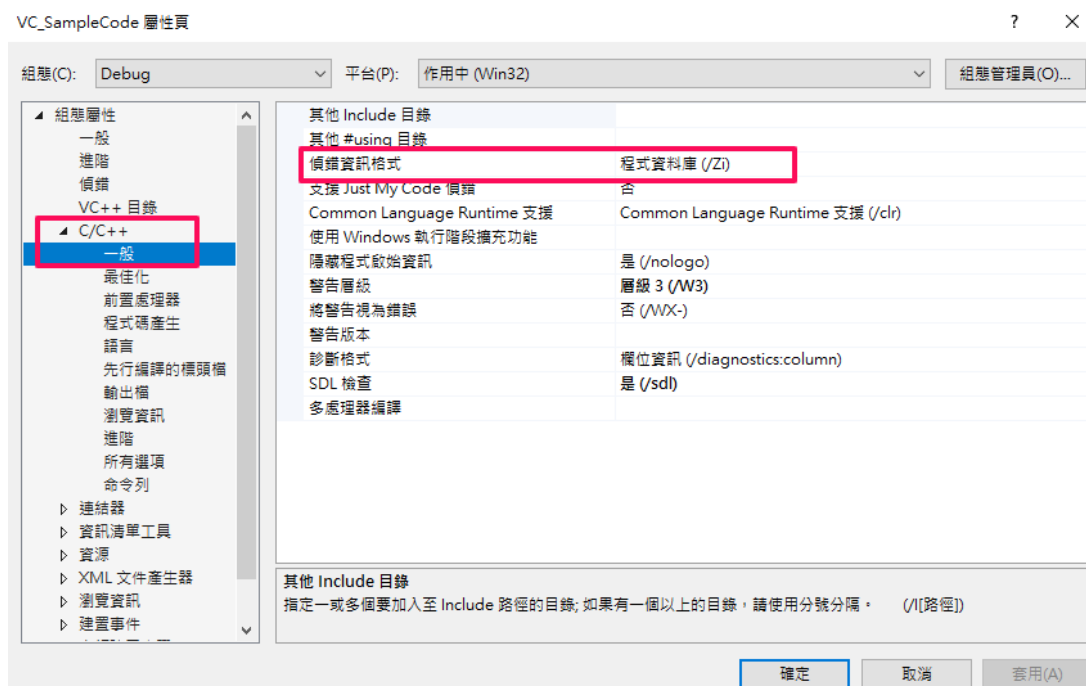
=>開啟專案屬性

=>組態屬性=>進階=>Commone Language Runtime 支援設定為(/clr)

=>組態屬性=>進階=>MFC 的使用設定為使用 MFC 的共用 DLL

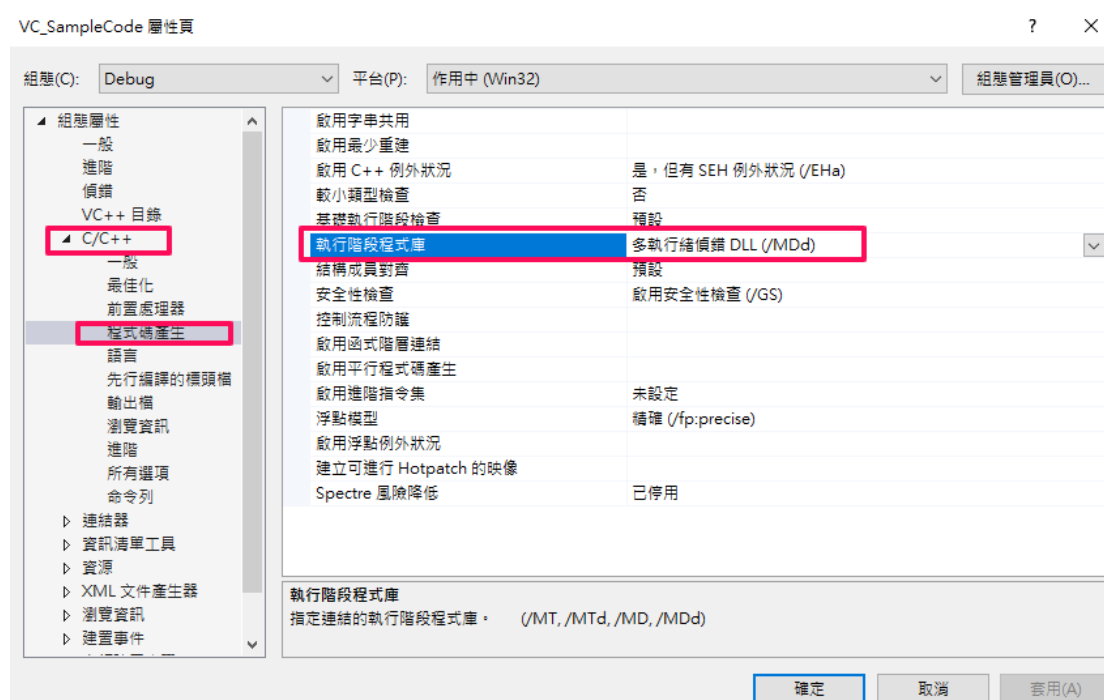


屬性=>C/C++=>一般=>偵錯資訊格式設定為"程式資料庫/Zi"(不可以設定為/ZI)



屬性=>C/C++=>程式碼產生

=>執行階段程式庫設定為"多執行緒偵錯 DLL(/MDd)"或"多執行緒(/MD)"



3.範例程式：

```
#using "GTSPL_SDK.dll"
```

```
using namespace System;
```

```
using namespace GT SPL_SDK;
```

```
//單機列印
```

```
Driver^ driver = gcnew Driver();

String^ printerName = gcnew String(str);

driver->openport(printerName);

driver->setup("30", "30", "2", "3", "0", "3", "0");

driver->clearbuffer();

driver->barcode("30", "30", "128", "100", "1", "0", "2", "2", "barcode VC5678 ");

driver->printerfont("10", "150", "2", "0", "1", "1", "Print Font VC DRIVER");

driver->downloadpcx(_T("UL.PCX"), "UL.PCX");

driver->sendcommand("PUTPCX 50,10,\"UL.PCX\"");

driver->windowsfont(10, 120, 48, 0, 0, 0, "impact", "VC Driver test");

driver->printlabel("1", "1");

driver->sendcommand("DIRECTION 1");

driver->closeport();
```

```
//指定 USB 傳輸介面
```

```
USB^ usb = gcnew USB();

usb->openport_USB();

usb->setup_USB("54", "30", "2", "3", "0", "3", "0");

usb->sendcommand_USB("DIRECTION 1");

usb->clearbuffer_USB();

usb->barcode_USB("10", "80", "128", "100", "1", "0", "2", "2", "barcode vc");

usb->printerfont_USB("50", "100", "2", "0", "1", "1", "Print Font VC123");

usb->downloadbmp_USB(_T("CIRCLE.BMP"), "CIRCLE.BMP");

usb->sendcommand_USB("PUTBMP 150,30,\"CIRCLE.BMP\"");
```

```
usb->windowsfont_USB(10, 20, 48, 0, 0, 0, "impact", "VC WIN TEST");

usb->getDLLVersion_USB(1);

CString status;

status=usb->printerstatus_USB();

usb->printlabel_USB("1", "1");
```

//簡中打印

```
usb.clearbuffer_USB();

usb->printerfont_USB("10", "110", "TSS24.BF2", "0", "1", "1", L"默认简体中文测试：海天米醋白
米醋 1 瓶 450ml");

usb->printlabel_USB("1", "1");;
```

//繁中打印

```
usb.clearbuffer_USB();

usb->printerfont_USB("10", "110", "TST24.BF2", "0", "1", "1", L"默认繁体中文测试：海天米醋白
米醋 1 瓶 450ml");

usb->printlabel_USB("1", "1");

usb->closeport_USB();
```

## ● FoxPro

1.使用管理員身分開啟命令提示字元

2.註冊 dll

將 x86 的 dll 放到 Windows/Syswow64，x64 的 dll 放在 Windows/System32

進入 microsoft.net framework 的安裝路徑下

如：cd C:\Windows\[Microsoft.NET](#)\Framework64\v4.0.30319



\*x64 的 dll 註冊在 C:\Windows\Microsoft.NET\Framework64\v4.0.30319

\*x86 的 dll 註冊在 C:\Windows\Microsoft.NET\Framework\v4.0.30319

輸入指令 regasm.exe /register /tlb <dll path>

輸入指令 regasm.exe <dll path> /codebase

如：regasm.exe /register /tlb C:\Users\User\Desktop\Javascript\_Sample\_Code\GTSPL\_SDK.dll

regasm.exe C:\Users\User\source\repos\product\GTSPL\_SDK \GTSPL\_SDK.dll /codebase

### 3.範例程式：

LOCAL driver as GTSPL\_SDK.Driver

LOCAL filePath

LOCAL printerStatus

filePath= JUSTPATH(SYS(16,0))

driver =CREATEOBJECT("GTSPL\_SDK.Driver")

driver.openport("Gainscha GS-2208D")

driver.setup("54", "40", "2", "3", "0", "3", "0")

driver.sendcommand("DIRECTION 1")

driver.clearbuffer()

driver.barcode("30", "2", "128", "50", "1", "0", "2", "2", "barcode Foxpro Driver")

driver.printerfont("30", "75", "3", "0", "1", "1", "Print Font Foxpro Driver")

driver.downloadbmp(filePath+"\CIRCLE.BMP", "CIRCLE.BMP")

driver.sendcommand("PUTBMP 200,150,"+CHR(34)+"CIRCLE.BMP"+CHR(34))

driver.downloadbmp(filePath+"\impact.ttf", "impact.ttf")

driver.windowfont(10, 100, 36, 0, 0, 0, "impact", "Foxpro Driver")

driver.printlabel("1", "1")

driver.getDLLVersion(0)

driver.closeport()

Code Type	Description	Narrow : Width					Max. data length
		1:1	1:2	1:3	2:5	3:7	
<b>128</b>	Code 128, switching code subset automatically.	V					
<b>128M</b>	Code 128, switching code subset manually.	V					
<b>EAN128</b>	EAN128, switching code subset automatically.	V					
<b>EAN128M</b>	EAN128M, switching code subset manually.	V					
<b>25</b>	Interleaved 2 of 5.		V	V	V		Length is even
<b>25C</b>	Interleaved 2 of 5 with check digit.		V	V	V		Length is odd
<b>25S</b>	Standard 2 of 5.		V	V	V		
<b>25I</b>	Industrial 2 of 5.		V	V	V		
<b>39</b>	Code 39, switching standard and full ASCII mode automatically.		V	V	V		
<b>39C</b>	Code 39 with check digit.		V	V	V		
<b>93</b>	Code 93.			V			
<b>EAN13</b>	EAN 13.	V					12
<b>EAN13+2</b>	EAN 13 with 2 digits add-on.	V					14
<b>EAN13+5</b>	EAN 13 with 5 digits add-on.	V					17
<b>EANB</b>	EAN 8.	V					7
<b>EANB+2</b>	EAN 8 with 2 digits add-on.	V					96
<b>EANB+5</b>	EAN 8 with 5 digits add-on.	V					12
<b>CODA</b>	Codabar.		V	V	V		
<b>POST</b>	Postnet.	V					5,9,11
<b>UPCA</b>	UPC-A.	V					11
<b>UPCA+2</b>	UPC-A with 2 digits add-on.	V					13
<b>UPA+5</b>	UPC-A with 5 digits add-on.	V					16
<b>UPCE</b>	UPC-E.	V					6
<b>UPCE+2</b>	UPC-E with 2 digits add-on.	V					8
<b>UPE+5</b>	UPC-E with 5 digits add-on.	V					11
<b>MSI</b>	MSI.		V	V	V		
<b>MSIC</b>	MSI with check digit.		V	V	V		
<b>PLESSEY</b>	PLESSEY.		V	V	V		
<b>CPOST</b>	China post.					V	
<b>ITF14</b>	ITF14.		V	V	V		13
<b>EAN14</b>	EAN14.	V					13
<b>11</b>	Code 11.		V	V	V		

<b>TELEPEN</b>	Telepen. *Since V6.89EZ.		V	V	V		
<b>TELEPENN</b>	Telepen number. *Since V6.89EZ.		V	V	V		
<b>PLANET</b>	Planet. *Since V6.89EZ.	V					
<b>CODE49</b>	Code 49. *Since V6.89EZ.	V					
<b>DPI</b>	Deutsche Post Identcode. *Since V6.91EZ.		V	V	V		11
<b>DPL</b>	Deutsche Post Leitcode. *Since V6.91EZ.		V	V	V		13
<b>LOGMARS</b>	A special use of Code 39. *Since V6.88EZ.		V	V	V		