

# The Web DLL for line mode printer

**ez2web.dll** is the dynamic linked library for **Windows 95,98, NT,ME,2000 and XP**. This DLL uses window printer spooler system API calls. The openport is revised to open a named printer device. Three new functions are created to do the printer management as shown boldface in the DLL function list. They are

**beginjob** ---- Starts a print job. And set label size, darkness and speed of printer.

**endjob** ---- Terminates the current job.

**getjobcount** ---- Gets the number of jobs in the printer spool.

**Ez2web.dll** is suitable to access barcode printer through internet. It can be used to access multiple printers installed in the host too.

The **Getjobcount()** can be used to replace isready() of the original DLL. If the returned job count is not equal to zero, Applications program can wait to begin another job until the current job terminates by polling **Getjobcount()**.

## Revision 2004/10/21

ecTextOutFine ---- Printing the TrueType fonts with orientation, weight, italic, underline, strikeout, and inverse settings.

## 1. DLL Function list

Command	Description
1. openport	Open a named printer device
<b>2. beginjob</b>	Start a print job. Set label size, darkness and speed of printer.
3. closeport	Close the opened port.
<b>4. endjob</b>	Terminate the current job.
<b>5. getjobcount</b>	Get the number of job in the printer spool.
<b>6. ecTextOut</b>	Print the TrueType fonts directly.
7. formfeed	form feed the paper
8. printfont	printing internal fonts
9. printbar	printing bar-code
10. forward	forwarding the paper
11.backward	backwarding the paper
12.cutter	cutting plain paper (EZ-2C/4C only)
13.strip_on	enable strip function (EZ-2S/4S only)
14.strip_off	disable strip function (EZ-2S/4S only)
15.putimage	Printing multi-tone image (format BMP and JPG) directly. Halftone will be applied to the image.
16.ecTextOutFine	

## 2. DLL Function Description

### 1. openport

Description: select the output port  
Command: openport(name)  
Input parameters: name: (string) a null terminated string that contains the name of the printer you want to access.  
Return value: 1 = (integer) OK  
0 = (integer) FAIL

### 2. beginjob

Description: setup parameters of EZ-2/4 printer  
Command: setup(a,b,c,d,e,f)  
Input parameters: a: (integer) label size setting (in mm)  
b: (integer) darkness (0~7)  
c: (integer) printing speed (1~2)  
d: (integer) label mode  
0: label with gap  
1: black mark label  
2: plain paper  
e: (integer) label gap (in mm)  
f: (integer) black top for black mark label  
Return value: 1 = (integer) OK  
0 = (integer) FAIL

### 3. closeport

Description: close output ports  
Command: closeport()  
Input parameters: none  
Return value : none

### 4. endjob

Description: Terminate the current job.  
Command: endjobt()  
Input parameters: None  
Return value: 1 = (integer) OK 0 = (integer) FAIL

### 5. getjobcount

Description: Gets the number of jobs in the printer spool.  
Command: getjobcount()  
Input parameters: none  
Return value: (integer) the number of jobs in the printer spool.  
0 if there is no jobs in the printer spool.

### 6. ecTextOut

Description: printing the fonts of WINDOWS  
Command: ecTextOut(a,b,c,d)  
Input parameters: a: (integer) left margins in dots  
b: (integer) height of the text  
c: (string) name of the fonts  
d: (string) data string  
Return value: 1 = (integer) OK  
0 = (integer) FAIL

## 7. formfeed

Description: form feed the paper  
Command: formfeed()  
Input parameters: none  
Return value: 1 = (integer) OK  
0 = (integer) FAIL

## 8. printfont

Description: printing internal fonts  
Command: printfont(a,b,c,d)  
Input parameters: a: (string) left margins in mm  
b: (string) horizontal multiplication from 1 to 7  
c: (string) vertical multiplication from 1 to 4  
d: (string) data string  
Return value: 1 = (integer) OK  
0 = (integer) FAIL

## 9. printbar

Description: printing bar-code  
Command: printbar(a,b,c,d,e,f,g)  
Input parameters: a: (string) left margins in mm  
b: (string) type of barcode  
0 = CODE 128 C/B  
1 = CODE 128 B/C  
2 = Interleaved 2 of 5  
3 = CODE 39  
9 = CODE 93  
K = CODA bar code  
U = UPC A/E, \*UPC A/E + add on 2/5  
E = EAN 8/13, \*EAN 8/13 + add on 2/5  
c: (string) narrow bar width (1 to 10 dots)  
d: (string) wide bar width (2 to 30)  
e: (string) barcode heights in mm  
f: (string) bar-code text  
g: (string) readable  
0 = Invisible  
1 = Visible  
Return value: 1 = (integer) OK  
0 = (integer) FAIL

## 10. forward

Description: forwarding the paper  
Command: forward(no)  
Input parameters: no = (string) the height to forward in dots (1mm = 8dots)  
Return value: 1 = (integer) OK  
0 = (integer) FAIL

## 11. backward

Description: backwarding the paper  
Command: backward(no)  
Input parameters: no = (string) the height to backward in mm  
Return value: 1 = (integer) OK  
0 = (integer) FAIL

## 12. cutter

Description: cutting plain paper (EZ-2C/4C only)  
Command: cutter()  
Input parameters: None  
Return value: 1 = (integer) OK  
0 = (integer) FAIL

## 13. strip\_on

Description: enable strip function (EZ-2S/4S only)  
Command: strip\_on()  
Input parameters: None  
Return value: 1 = (integer) OK  
0 = (integer) FAIL

## 14. strip\_off

Description: disable strip function (EZ-2S/4S only)  
Command: strip\_off()  
Input parameters: none  
Return value: 1 = (integer) OK  
0 = (integer) FAIL

## 15. putimage

Description: Printing multi-tone image (format BMP and JPG) directly. Halftone will be applied to the image.  
Command: putimage(x,y,filename, degree)  
Input parameters: x : (integer) left-upper Hori. pos. (dots).  
filename : (string) the file name of the image support BMP and JPG file type.  
degree: (integer)  
0 : no rotation ; 90 : rotate 90 degree  
Return value: 1 = (integer) OK  
0 = (integer) FAIL

## 16.ecTextOutFine

Description: Printing the TrueType fonts with orientation, weight, italic, underline, strikethrough, and inverse settings.  
Command: ecTextOutFine(x,b,c,d,e,f,g,h,i,j,k)  
Input parameters: x: (integer) left-upper Hori. pos. (dots)  
b: (integer) height of the text  
c: (string) name of the fonts  
d: (string) data string  
e: (integer) width of the text  
f: (integer) Specifies the weight of the font in the range 0 through 1000. For example, 400 is normal and 700 is bold.  
g: (integer) set the rotation of the output text.  
0 for degree 0, 90 for degree 90, 180 for degree 180 and 270 for degree 270  
h: (integer) Specifies an italic font if set to TRUE(1).  
i: (integer) Specifies an underlined font if set to TRUE.  
j: (integer) Specifies a strikethrough font if set to TRUE.  
K: (integer) 0:normal printout  
1:inverse printout  
Return value: 1 = (integer) OK  
0 = (integer) FAIL

### 3. sample

(1) The following list is a VB sample:

```
Private Declare Sub beginjob Lib "d:\gdx_cdsource\dll\sample\vb50\ez2web.dll" (ByVal a%,  
ByVal b%, ByVal c%, ByVal d%, ByVal e%, ByVal f%)  
Private Declare Sub openport Lib "d:\gdx_cdsource\dll\sample\vb50\ez2web.dll" (ByVal  
command$)  
Private Declare Sub ecTextOut Lib "d:\gdx_cdsource\dll\sample\vb50\ez2web.dll" (ByVal x%,  
ByVal b%, ByVal c$, ByVal d$)  
Private Declare Sub endjob Lib "d:\gdx_cdsource\dll\sample\vb50\ez2web.dll" ()  
Private Declare Sub closeport Lib "d:\gdx_cdsource\dll\sample\vb50\ez2web.dll" ()
```

```
Private Sub command1_Click()  
Call openport("Godex EZ-2 203dpi")  
Call beginjob (30, 5, 2, 1, 0, 0)  
Call ecTextOut(20, 34, "細明體", "中文測試")  
Call endjob  
Call closeport  
End Sub
```

(2) The following list is a c sample.

```
Main()  
{  
    openport("Godex EZ-2 203dpi");  
    //first job  
    beginjob(50,5,2,0,2,0);  
    ecTextOut(20, 34, "細明體", "中文測試");  
    endjob();  
    //second job  
    beginjob(50,5,2,0,2,0);  
    ecTextOut(20, 10, 34, "細明體", "中文測試", 1, 60);  
    endjob();  
    closeport();  
}
```