. The Web DLL for printer with EZPL command

ezweb.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.

ezweb.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
2. beginjob	Start a print job. Set label size, darkness and speed of printer.
3. sendcommand	Send EZPL command
4. intloadimage	Download image(binary image of PCX or BMP) to internal memory of printer.
5. extloadimage	Download image (binary image of PCX or BMP) to external memory of printer.
6. closeport	Close the opened port.
7. endjob	Terminate the current job.
8. ecTextOut	Print the TrueType fonts directly.
9. getjobcount	Get the number of job in the printer spool.
10.ecTextOutR	Printing the TrueType fonts with orientation settings
11.ecTextDownLoad	Download the TrueType fonts with orientation settings as a bitmap to be recalled by ^Y command
12.putimage	Printing multi-tone image (format BMP and JPG) with orientation settings. Halftone will be applied to the image.
13. downloadimage	Download multi-tone image (format BMP and JPG) with orientation settings as a bitmap to be recalled by ^Y command. Halftone will be applied to the image.
14.ecTextOutFine	Printing the TrueType fonts with orientation, weight, italic, underline, strikeout, and inverse settings.

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.

2. beginjob

Description: Start a print job.
                 Set label size, darkness and speed of printer.
Command: beginjob(a,b,c,d,e,f)
Input parameters: a: (integer) label size setting (in mm)
                 b: (integer) darkness (0~19)
                 c: (integer) printing speed (1~3)
                 d: (integer) label mode
                        0: label with gap
                        1: plain paper
                        2: black mark label
                 e: (integer) label gap (in mm)
                 f: (integer) black top for black mark label

3. sendcommand

Description: send EZPL command to printer
Command: sendcommand(command)
Input parameters: Command: (string) any EZPL command

4. intloadimage

Description: down load the image file toprinter's internal memory
Command: intloadimage(filename, ID_name,image_type)
Input parameters: filename :   (string) the file name of the image file
                 ID_name :   (string) the name to stand for the image file
                                to be recalled by Y command.
                 image_type : (string) image file type
                                     pcx : for .pcx image file
                                     bmp : for .bmp image file

5. extloadimage

Description: down load the image file to printer's external memory
Command: extloadimage(filename, image_name,image_type)
Input parameters: filename :   (string) the file name of the image file
                 ID_name :   (string) the name to stand for the image file
                                to be recalled by Y command.
                 image_type : (string) image file type
                                     pcx : for .pcx image file
                                     bmp : for .bmp image file

6. closeport

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

7. endjob

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

8. ecTextOut

Description:	printing the TrueType fonts of WINDOWS
Command:	ecTextOut(x,y,b,c,d)
Input parameters:	x: (integer) left-upper Hori. pos. (dots)
	y: (integer) left-upper Vert. pos. (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

9. 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.

10. ecTextOutR

Description:	printing the TrueType fonts of WINDOWS with orientation settings
Command:	ecTextOut(x,y,b,c,d,e,f,g)
Input parameters:	x: (integer) left-upper Hori. pos. (dots)
	y: (integer) left-upper Vert. 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 100. For example, 40 is normal and 70 is bold.
	g: (integer) set the rotation of the output text. 0 for degree 0, 90 for degree90, 180 for degree 180 and 270 for degree 270
Return value:	1 = (integer) OK

0 = (integer) FAIL

11. ecTextDownLoad

Description:	Download the TrueType fonts with orientation settings as a bitmap to be recalled by ^Y command
Command:	ecTextOut(b,c,d,e,f,g,name)
Input parameters:	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 100. For example, 40 is normal and 70 is bold.
	g: (integer) set the rotation of the output text. 0 for degree 0, 90 for degree90, 180 for degree 180 and 270 for degree 270
	name: (string)ID name of the downloaded font to be recalled by Y command.
Return value:	1 = (integer) OK
	0 = (integer) FAIL

12. 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).
	y : (integer) left-upper Vert. 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

13. downloadimage

Description:	Download multi-tone image (format BMP and JPG) with orientation settings as a bitmap to be recalled by ^Y command. Halftone will be applied to the image.
Command:	putimage(,filename, degree,name)
Input parameters:	filename : (string) the file name of the image support BMP and JPG file type.
	degree: (integer) 0 : no rotation 90 : rotate 90 degree
	name : (string) ID name to stand for the downloaded image file to be recalled by Y command.
Return value:	1 = (integer) OK
	0 = (integer) FAIL

14.ecTextOutFine

Description:	Printing the TrueType fonts with orientation, weight, italic, underline, strikeout, and inverse settings.

Command: ecTextOutFine(x,y,b,c,d,e,f,g,h,i,j,k)
Input parameters: x: (integer) left-upper Hori. pos. (dots)
                   y: (integer) left-upper Vert. 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 degree90, 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 strikeout font if set to TRUE.
                   K: (integer) 0:normal printout
                                1:inverse printout
Return value: 1 = (integer) OK
                   0 = (integer) FAIL

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3. sample

The following list is a VB sample:

```
Private Declare Sub beginjob Lib "d:\gdx_cdsource\dll\sample\vb50\ezweb.dll" (ByVal a%,
ByVal b%, ByVal c%, ByVal d%, ByVal e%, ByVal f%)
Private Declare Sub openport Lib "d:\gdx_cdsource\dll\sample\vb50\ezweb.dll" (ByVal
command$)
Private Declare Sub sendcommand Lib "d:\gdx_cdsource\dll\sample\vb50\ezweb.dll" (ByVal
command$)
Private Declare Sub intloadimage Lib "d:\gdx_cdsource\dll\sample\vb50\ezweb.dll" (ByVal
filename$, ByVal image_name$, ByVal image_type$)
Private Declare Sub extloadimage Lib "d:\gdx_cdsource\dll\sample\vb50\ezweb.dll" (ByVal
filename$, ByVal image_name$, ByVal image_type$)
Private Declare Sub ecTextOut Lib "d:\gdx_cdsource\dll\sample\vb50\ezweb.dll" (ByVal x%,
ByVal y%, ByVal b%, ByVal c$, ByVal d$, ByVal e%, ByVal f%)
Private Declare Sub endjob Lib "d:\gdx_cdsource\dll\sample\vb50\ezweb.dll" ()
Private Declare Sub closeport Lib "d:\gdx_cdsource\dll\sample\vb50\ezweb.dll" ()
Private Declare Function isready% Lib "d:\gdx_cdsource\dll\sample\vb50\ezweb.dll" ()


Private Sub command1_Click()
Call openport("Godex EZ-4206(web)")
Call beginjob (30, 5, 2, 1, 0, 0)
Call sendcommand("^W50")
Call sendcommand("^E23")
Call sendcommand("^P1")
Call sendcommand("^L")
Call sendcommand("AC,20,60,1,1,1,0,TEST")
Call ecTextOut(20, 10, 34, "          ", "          ", 1, 60)
Call sendcommand("E")
Call endjob
Call closeport
End Sub
```

The following list is a c sample.

```
Main()
{
    openport("Godex EZ-4TT 203dpi");
//first job

    beginjob(50,5,2,0,2,0);
        sendcommand("^L");
        sendcommand("BA,40,40,2,4,25,0,1,12345");
        sendcommand("E");
    endjob();

//second job

    beginjob(50,5,2,0,2,0);
        sendcommand("^L");
        sendcommand("BA,40,40,2,4,25,0,1,12346");
```

```
        sendcommand("E");
    endjob();

    closeport();

}
```