

2014

GoDEX EZioWM DLL User Manual

Control GoDEX printer by programming

This manual will describe how to use EZioWM DLL to control GoDEX Printer.
Through simple examples, you will learn how to print text

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1 Overview

EZioWM DLL is a dynamic link library provided by GoDEX. Program developers can use this component to develop the printer control program on Microsoft Windows CE (or Windows Mobile) operating systems. This DLL is compatible on .Net Compact framework 2.0 or later ◦

EZioWM DLL provides the control function of Bluetooth and Wi-Fi. Before the start of the printer controlling, you must call `openport()` to establish communication between the program and the printer. After setting or printing is complete, you must call `closeport()` function to end the connection between the program and the printer.

You can use `sendcommand ()` or `sendbuf ()` function to send commands or data to GoDEX printer. You can use `RcvBuf ()` function to get data which the printer sent. You must use EZPL GoDEX printer language to control the printer. If you need more advanced control method, you can go to the official website (<http://www.godexintl.com/global/download/downloads/list/Manuals>) to download GoDEX EZPL Programming Manual.

For example: The EZPL instruction of printing the self-test page is ~ V. If you want to print it by programming, you must send `sendcommand ("~ V")` in the program. You can use `putimage()` function to print images,

Finally, it must be noted that EZPL when printing must follow one rule : Anything printed is surrounded by ^ L and E, and if you do not have instructions printed outside.

```
openport(6);  
sendcommand("^L");  
:  
sendcommand(EZPL command);  
:  
sendcommand("E");  
closeport();
```

2 Function list

NO.	Command	Description
1	openport	Open Bluetooth or Wi-Fi port
2	closeport	Close the opened port.
3	sendcommand	Send EZPL command
4	sendbuf	Send a block of data to printer
5	RcvBuf	Read a packet from the opened port
6	downloadimage	Download image as a bitmap to be recalled by ^Y command. Halftone will be applied to the image.
7	putimage	Printing image Halftone will be applied to the image.
8	printCmdFile	Send a command file to printer

3 Function description

3.1 **openport(address, type)**

Description	Select the output port
Parameters	address Type : string Address of printer Wi-Fi : 192.168.12.13 (default 9100 port) 192.168.12.13:9111 BlueTooth : COMx Type Type: int Connection type “1” : Bluetooth “2” : Wi-Fi
Return Value	true = (bool) OK false= (bool) FAIL

3.2 **closeport()**

Description	Close output ports
Parameters	None
Return Value	None

3.3 **sendcommand(command)**

Description	Send EZPL command to printer
Parameters	command Type : string Any EZPL command
Return Value	true = (bool) OK false= (bool) FAIL

3.4 **sendbuf(Data)**

Description	Send a packet via the opened port.
Parameters	Data

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	Type : byte[] The packet to send
Return Value	true = (bool) OK false = (bool) FAIL

3.5 RcvBuf()

Description	Read a packet from the opened port.
Parameters	None
Return Value	Byte[] The return packet

3.6 downloadimage(Filename, ID_Name)

Description	Upload image as a bitmap to be recalled by ^Y command. Halftone will be applied to the image
Parameters	Filename Type : string The file name of the image ID_Name Type : string ID name to stand for the downloaded image file to be recalled by Y command.
Return Value	true = (bool) OK false = (bool) FAIL

3.7 putimage(PosX, PosY, Filename)

Description	Printing multi-tone image directly. Halftone will be applied to the image.
Parameters	PosX Type : int Left-upper Hori. pos. (dots). PosY Type : int Left-upper Vert. pos. (dots). Filename Type : string The file name of the image

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Return Value	true = (bool) OK false = (bool) FAIL
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3.8 **printCMDFile(Filename)**

Description	Send a packet via the opened port.
Parameters	Filename Type : string The file name of the command file
Return Value	true = (bool) OK false = (bool) FAIL

4. Programming guide

You can add EZIOWM.dll to your project and then declare the following objects in your project. Therefore, you can use the “Printer” object, simply controlling GoDEX printer.

```
GodexPrinter Printer = new GodexPrinter();
```

Refer to “Example” directory sample code. You can learn how to control GoDEX printer via Bluetooth and Wi-Fi. You can also learn basic text printing, graphic printing.

