2014

EZioAD User Manual

Control GoDEX printer by programming

This manual will describe how to use EZioAD to control GoDEX Printer.

FW/SW DEPT.
GoDEX
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1 Overview

EZioAD.jar is an Android library provided by GoDEX. Software developer can use this library to develop software for printing on Android platform.

EZioAD.jar provides communication function of Wi-Fi and Bluetooth。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 close() function to close the connection between program and printer

You can use sendcommand() or writeByte() function to send commands or data to GoDEX printer. You can use readByte() function to get data from printer。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 use sendcommand ("~ V") in the program.You can use putimage() function to print images。

Finally, please note that EZPL when printing must follow the rule : Anything printed must be surrounded by ^ L and E.

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

2 Function List

NO.	Command	Description
1	openport	create Bluetooth or Wi-Fi connection with GoDEX printer
2	close	Close the connection
3	sendcommand	Send EZPL command (uft8 decoding)
4	sendcommand	Send EZPL command (other decoding)
5	read	Read String from the opened port
6	readByte	Read a packet from the opened port
7	setup	Set label size, darkness and speed of printer
8	printCmdFile	Send a command file to printer
9	loadImage	Download image to internal memory of printer.
10	putimage	Printing image and Halftone will be applied to the image.
11	writeByte	Send a block of data to printer
12	debug	Enable the debug message in jar library. (LogCat)
13	Insb	Secure parameter of Bluetooth connection

3 Function Description

3.1 openport(address,type)

Description	Select the communication port
Parameters	address Type : String IP Address of printer for Wi-Fi or MAC Address of printer for Bluetooth type Type : int 1 = WiFi 2 = BlueTooth
Return Value	True = (boolean) OK False = (boolean) FAIL

3.2 close()

Description	Close the connection
Parameters	None
Return Value	None

3.3 sendcommand (command)

Description	Send EZPL command to printer
Parameters	command Type : String Any EZPL command (by UTF8 decoding)
Return Value	True = (boolean) OK False = (boolean) FAIL

3.4 sendcommand (command,encoding)

Description	Send EZPL command to printer
Parameters	command Type : String Any EZPL command(by **encoding** decoding) Type Type : String The encoding(EX:Big5)

Return Value	True = (boolean) OK False = (boolean) FAIL

3.5 read(message)

Description	Read String from the opened port
Parameters	message Type : String[] The return string
Return Value	(int) the length of received data. (byte)

3.6 readByte(data)

Description	Read a packet from the opened port
Parameters	data Type : byte[] The return packet
Return Value	(int) the length of received data. (byte)

3.7 setup(height, dark, speed , mode, gap, top)

Description	Setup parameters of printer
Parameters	height Type : int Label size setting (mm) dark Type : int Darkness (0~19) speed Type : int Printing speed (2~7) mode Type : int Label mode 0: Label with gap 1: Plain paper 2: Black mark label gap Type : int Label gap (mm)

	top Type : Integer black top for black mark label
Return Value	True = (boolean) OK False = (boolean) FAIL

3.8 printCmdFile(filename)

Description	Send a command file to printer
Parameters	filename Type : String Path of command file
Return Value	True = (boolean) OK False = (boolean) FAIL

3.9 loadImage(filename, ID)

Description	Upload the image file to printer's internal memory
Parameters	filename Type : String Path of image file ID Type : String The name to stand for the image file to be recalled by Y command.
Return Value	True = (boolean) OK False = (boolean) FAIL

3.10 putimage(px, py, picture)

Description	Printing image directly. Halftone will be applied to the image.

Parameters	px Type : int Left-upper Hori. pos. (dots). py Type : int Left-upper Vert. pos. (dots). picture Type : Bitmap The bitmap to print
Return Value	True = (boolean) OK False = (boolean) FAIL

3.11 writeByte(data)

Description	Send a block of data to printer
Parameters	data Type : byte[] The packet to send
Return Value	True = (boolean) OK False = (boolean) FAIL

3.12 debug(select)

Description	Enable the debug message in jar library. (LogCat)
Parameters	select Type : int 0 : none 1 : error message only 2 : function trace message only 3 : both error message and function trace message
Return Value	None

3.13 Insb

Description	Secure parameter of Bluetooth connection
Parameters	True = (boolean) insecure connection False = (boolean) secure connection
Return Value	None