

POSprinter OPOS Driver

-User Manual-

Bate 0.2

1. Introduction

POS printer OPOS driver is compatible with OPOS standard version 1.14.1 as developed.

- 1) Support POS printer POS80 series products
- 2) Support these communication ports:
 - USB
 - Serial
 - Ethernet

This software package provide the driver support for POS Printer of OPOS, it is mainly consist of the following files:

OPOS Registrar related files and OPOS driver files:

- RegComSvr.exe
- Register.bat
- Include*
- Common*

OPOS Configuration Tool and Testing Tool:

- OPOS_PrinterConfigTool.exe
- OPOS_PrinterTest.exe
- Image*

PS:

The picturess under Image catalogue are for the testing tool, if you need to change the pictures, please rename the picture name as <Image> and keep the suffix unchanged, the picture formats could be:

- .png
- .bmp
- .jpg
- .pcx
- .gif
- .ico
- .tif
- .tga
- .raw
- .psd

2. Operating Environment

2.1 Operating System

This software supports the following x86 structure operating systems:

- Windows 10 64 Bit
- Windows 10 32 Bit
- Windows 8.1 64 Bit
- Windows 8.1 32 Bit
- Windows 8 64 Bit
- Windows 8 32 Bit
- Windows 7 64 Bit
- Windows 7 32 Bit
- Windows XP 32 Bit

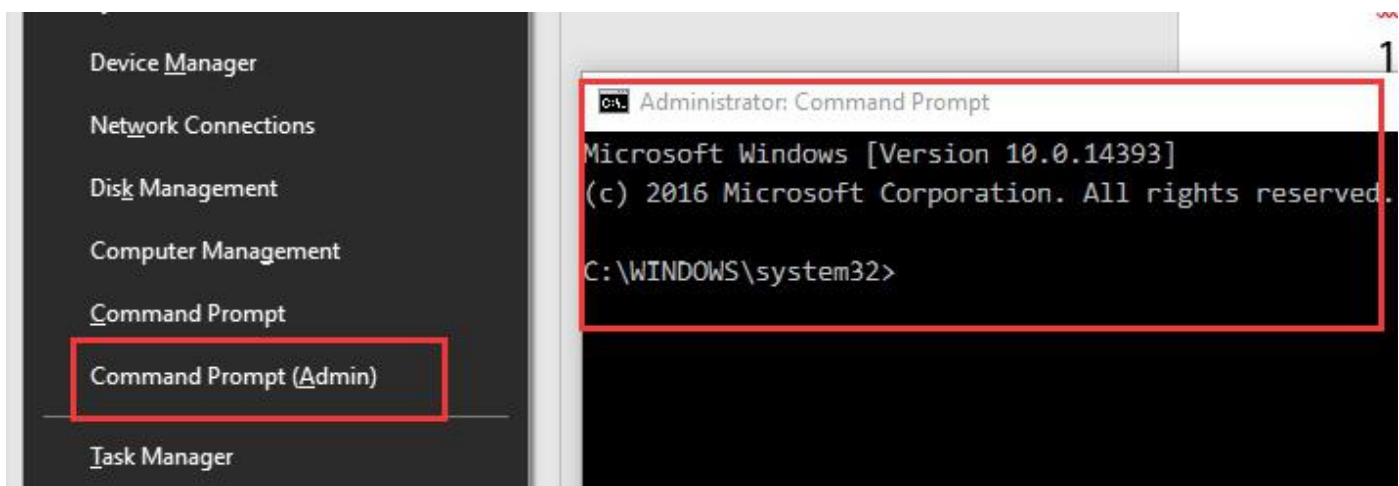
2.2 Running environment of driver and configuration tools

When registering the driver file of OPOS Driver in Win7 or later Windows OS , the Administrator Authority is required.

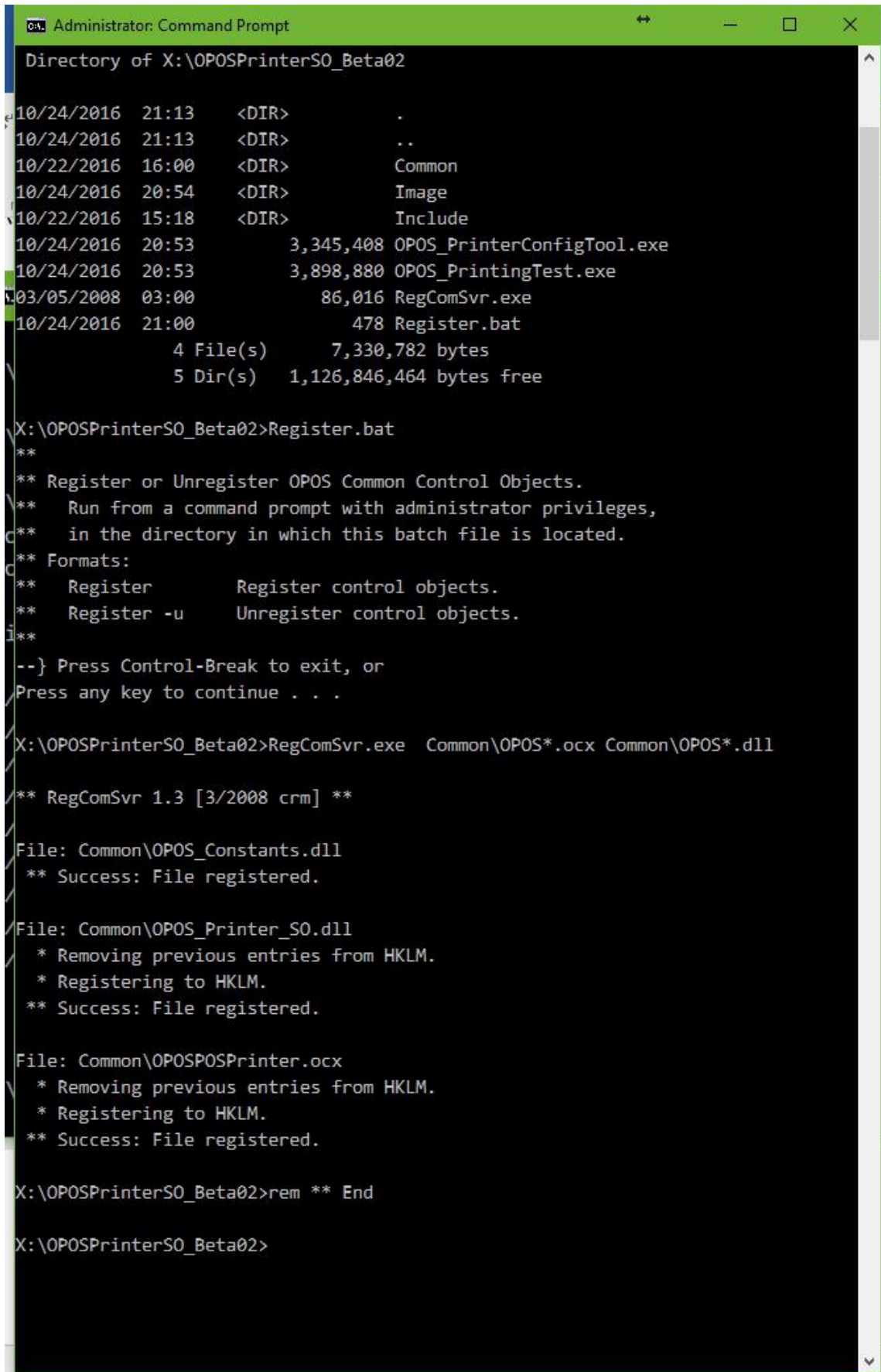
3. Registration of OPOS Driver

To run POS printer OPOS Driver, it requires to register all the *.dll files and *.ocx in Common

1) Run command “cmd” with administrator authority



- 2) Then go to the software package directory and run Register.bat command, the command will be running successfully and OPOS driver and service is registered as shown below:



```
Administrator: Command Prompt

Directory of X:\OPOSPrinterSO_Beta02

10/24/2016  21:13    <DIR>        .
10/24/2016  21:13    <DIR>        ..
10/22/2016  16:00    <DIR>        Common
10/24/2016  20:54    <DIR>        Image
10/22/2016  15:18    <DIR>        Include
10/24/2016  20:53             3,345,408 OPOS_PrinterConfigTool.exe
10/24/2016  20:53             3,898,880 OPOS_PrintingTest.exe
03/05/2008  03:00             86,016 RegComSvr.exe
10/24/2016  21:00             478 Register.bat
            4 File(s)      7,330,782 bytes
            5 Dir(s)     1,126,846,464 bytes free

X:\OPOSPrinterSO_Beta02>Register.bat
**
** Register or Unregister OPOS Common Control Objects.
** Run from a command prompt with administrator privileges,
** in the directory in which this batch file is located.
** Formats:
** Register      Register control objects.
** Register -u   Unregister control objects.
**
--} Press Control-Break to exit, or
Press any key to continue . . .

X:\OPOSPrinterSO_Beta02>RegComSvr.exe Common\OPOS*.ocx Common\OPOS*.dll

** RegComSvr 1.3 [3/2008 crm] **

File: Common\OPOS_Constants.dll
** Success: File registered.

File: Common\OPOS_Printer_SO.dll
* Removing previous entries from HKLM.
* Registering to HKLM.
** Success: File registered.

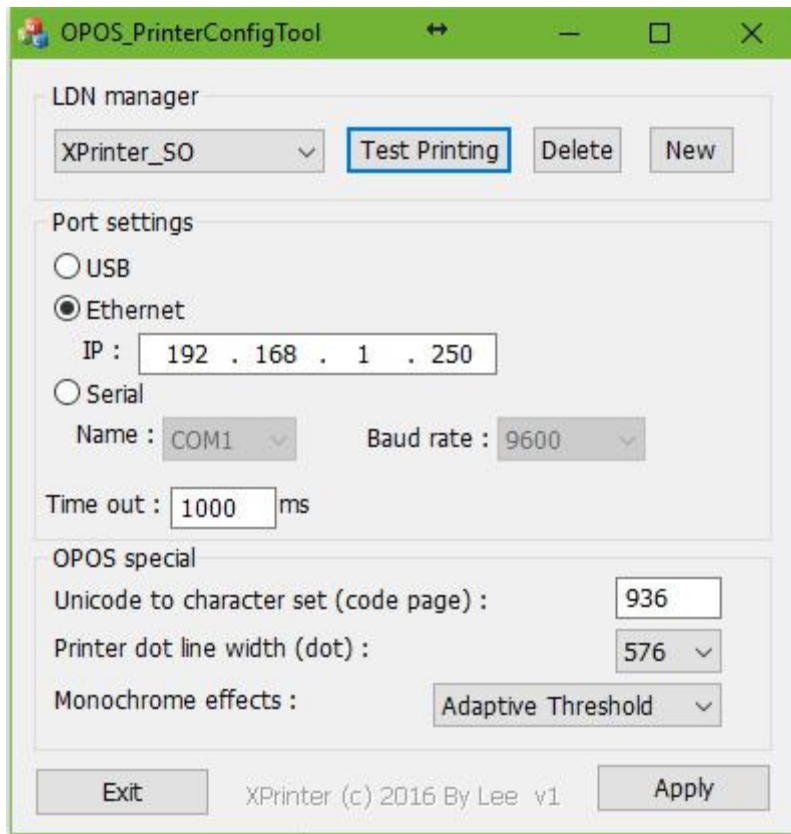
File: Common\OPOSPOSPrinter.ocx
* Removing previous entries from HKLM.
* Registering to HKLM.
** Success: File registered.

X:\OPOSPrinterSO_Beta02>rem ** End

X:\OPOSPrinterSO_Beta02>
```

4. OPOS configurations

Run OPO S_PrinterConfigTool.exe with administrator authority:



4.1 LDN manager :Logic Device Name management

- 1) Drop-down list: Select the existing OPOS configured LDN
- 2) Test Printing : Test the selected LDN. It will call the testing program.
- 3) Delete : Delete the selected LDN
- 4) New : Create a new LDN

4.2 Port settings: settings of communication ports.

USB:

Select USB option and it will identify the printer automatically.

Ethernet:

IP: Input an IP address which could be communicated with printer without problem.

serial:

Name: Select the serial port name

Baud rate: Select the baud rate of the serial port (9600, 19200, 38400, 11520)

4.3 OPOS special : OPOS Driver features configuration

1) Unicode to character set:

OPOS driver is using UNICODE encoding mechanism, it will specify the corresponding conversion code page that is UCICODE→ Target language code page like: (it depends on what the printer supports)

| | | |
|-----|--------|--------------------|
| | | Simplified Chinese |
| 936 | gb2312 | (GB2312) * |
| 437 | IBM437 | OEM USA |

2) Printer dot line width (dot): Dots per line

Support 576 and 640 (marched with the specific printer)

3) Monochrome effects : the conversion algorithm of monochrome image

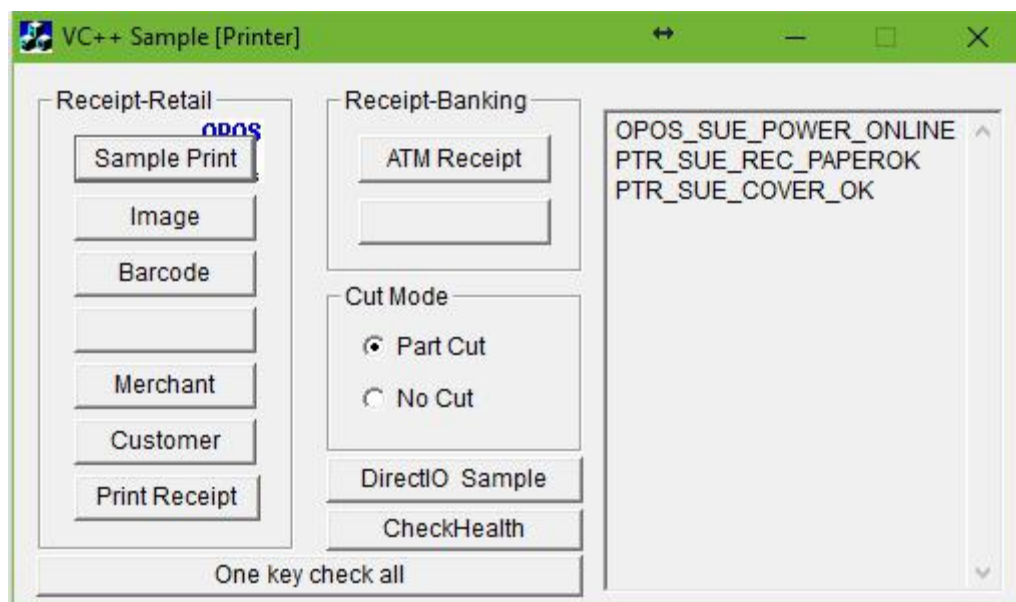
Support up to 10 different conversion algorithms

4.4 Apply

Apply all the settings and make them effective.

5. OPOS Printer Printing Test

After the configuration of OPOS, click<Test Printing> to open the testing page



- 1) Click the buttons to test the relevant functions when printer is connected correctly.
- 2) It will show the real-time status of the printer on the box at right.

6. Others

This software is mainly developed based on UnifiedPOS standard. For the detail OPOS programming, please refer to the reference manual published by UnifiedPOS. Please visit <http://www.monroecs.com/posstandards.htm> for more information

Appendix A

When using PrintBarCode method, it will support these barcode types:

PTR_BCS_UPCA,
PTR_BCS_UPCE,
PTR_BCS_JAN8,
PTR_BCS_JAN13,
PTR_BCS_ITF,
PTR_BCS_Codabar,
PTR_BCS_Code39,
PTR_BCS_Code93,
PTR_BCS_Code128,
PTR_BCS_QRCODE,---*1
PTR_BCS_PDF417 ----*2

*Notice:

When using *1,*2 these 2 types, the size configuration parameter will not work, but it must be set within the normal printing size limitation.

1. When sending "text", it will use the default parameter to generate the QRCODE.

If you need to change the unit point size and error correction level, please use these formats:

HEX : 1b N1 N2 "text" N1: Unit

point size N2: Error

correction level

For the detail description, please refer to the details of QRCODE in the programming manual of printer

2. When sending “text”, it will use the default parameter to generate the PDF417. If you need to change the parameters, please use the following format:

HEX: 1b N1 N2 N3 N4 N5 N6 N7 “text” N1:

Column Number N2: Line Number N3: Width

N4: Line Height

N5: Error correction level description type

N6: Error correction level value

N7: Set/cancel truncation mode,

For more details please refer to the description of PDF417 in the programming manual of printer.