

# DSP840

## OPOS Driver

## Operation Manuals

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# **Operating System Environment**

- Windows XP.
- Windows7.

# Display Hardware setting.

## DIP switch setting

- A. 0 means DIP switch is at OFF position.  
1 means DIP switch is at ON position.
- B. The DSP840's DIP switch setting is **Automatic command mode**, the **SW9&10** should be set to **OFF “0” position**. See figure 1-1.
- C. You must turn off the DSP840 power supply when you changed DIP Switch Setting.



Figure 1-1. DIP Switch is auto.

# Installation software

- Please first remove all old DSP840 OPOS driver.
- Installation of the DSP840 Utility.
  - The System environment is Windows XP.
    - ◆ Double click DSP840.Utility\_V2\_1\_0\_PDR00004.exe.
    - ◆ Please follow DSP840\_Utiilty- Installshield Wizard Dialog, see figure 2-3~2-6.
  - The System environment is Windows 7.
    - ◆ Select the DSP840.Utility\_V2\_1\_0\_PDR00004.exe press mouse right key then click Run as administrator. See figure 2-1.
    - ◆ Display the User Account Control Dialog, press Yes button, see figure 2-2.
    - ◆ Please follow DSP840\_Utiilty- Installshield Wizard Dialog, see figure 2-3~2-6.

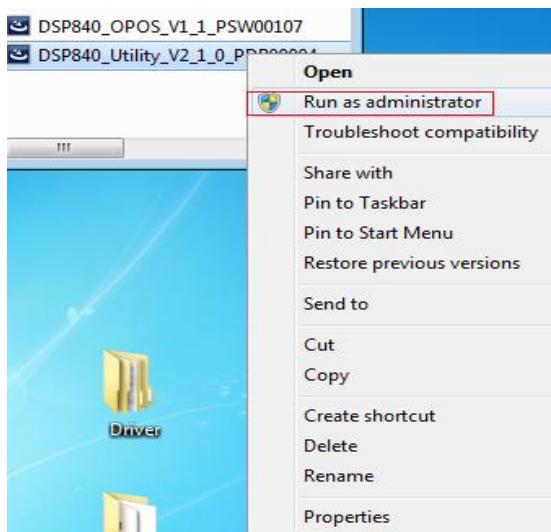


Figure 2-1 Install the DSP840 Utility  
in windows 7.

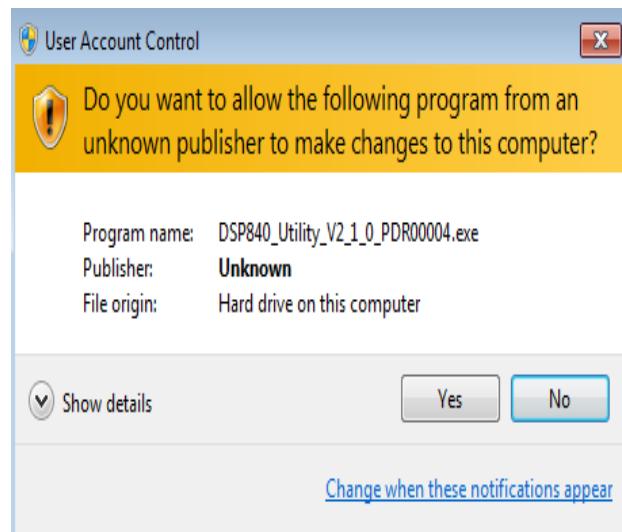


Figure 2-2 user account control.

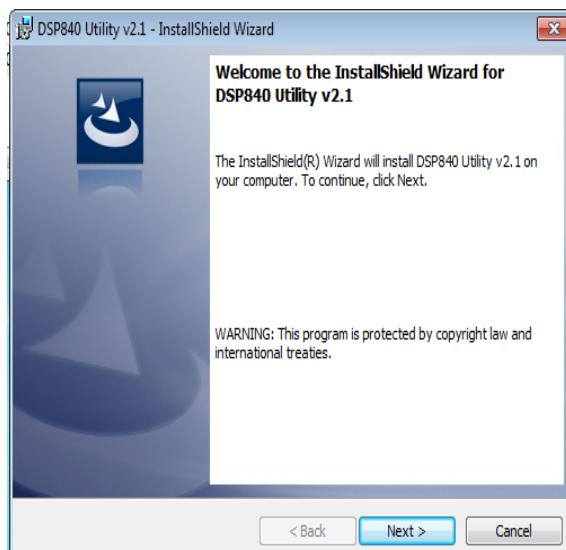


Figure 2-3 DSP840.Utility-

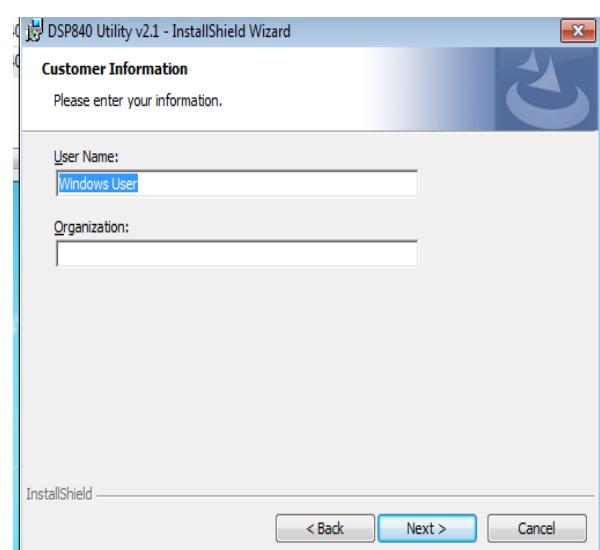


Figure 2-4 DSP840\_Utiilty-

Installshield Wizard Dialog (1).

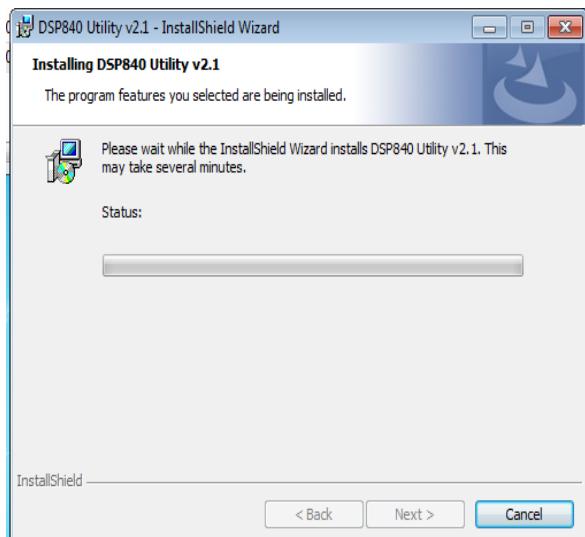


Figure 2-5 DSP840\_Utiility-  
Installshield Wizard Dialog (3).

Installshield Wizard Dialog (2).

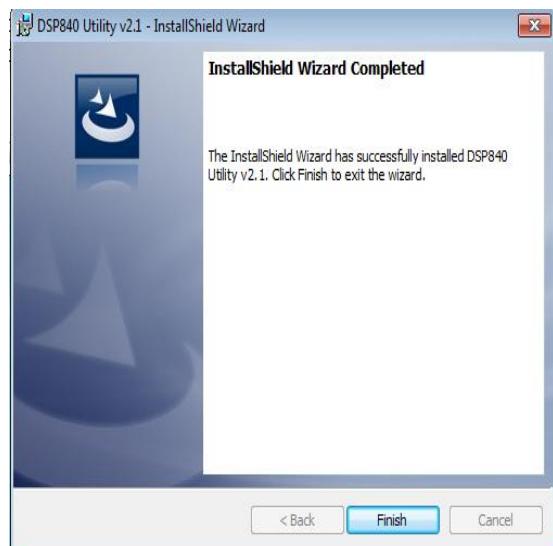


Figure 2-6 DSP840\_Utility-Installshield  
Wizard Dialog (4).

- Installation of the DSP840\_OPOS\_V1\_1\_PSW00107.exe
  - The System environment is Windows XP.
    1. Double Click the DSP840\_OPOS\_V1\_1\_PSW00107.exe
    2. Please follow Installshield Wizard Dialog, see figure 2-9~2-12.
  - The System environment is Windows 7.
    1. Select the DSP840\_OPOS\_V1\_1\_PSW00107 and Click mouse right key, select run as administrator, see Figure 2-7.
    2. Show User Account Control Dialog, press Yes button, see Figure 2-8.
    3. Please follow InstallShield Wizard Dialog, see figure 2-9~2-12.

- Complete installation of all software, see figure 2-13 and 2-14.

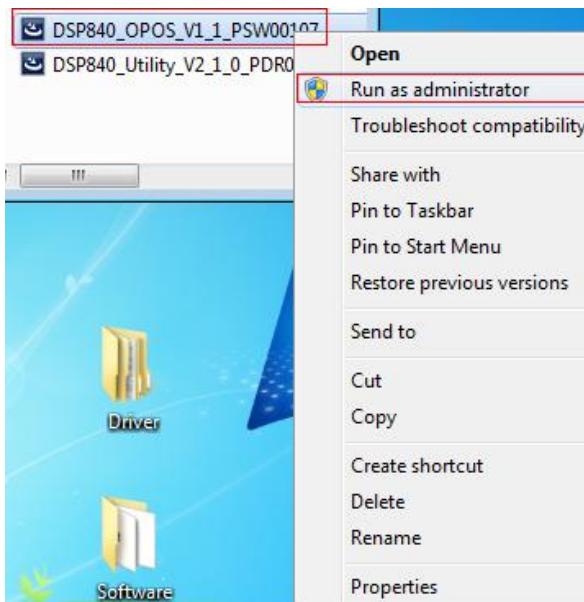


Figure 2-7 run as administrator.

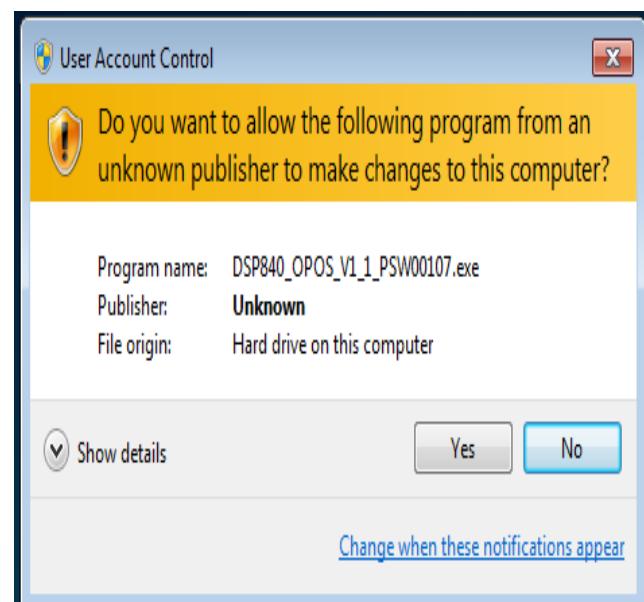


Figure 2-8 User Account Control,

Press Yes button.

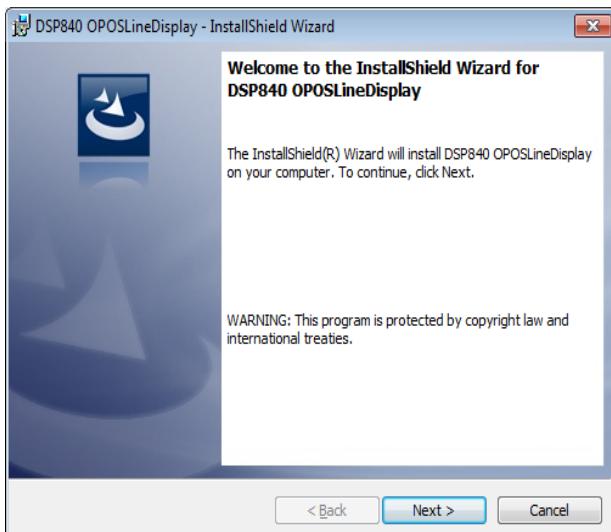


Figure 2-9 DSP840 OPOSLineDisplay  
- Installshield Wizard Dialog (1).

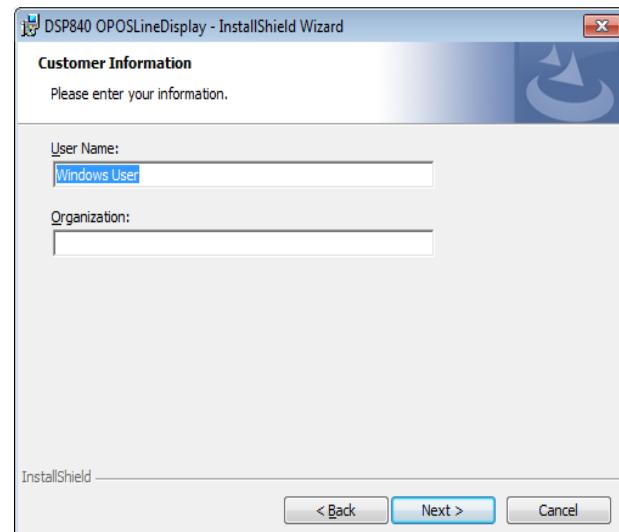


Figure 2-10 DSP840 OPOSLineDisplay  
- InstallShield Wizard Dialog(2).

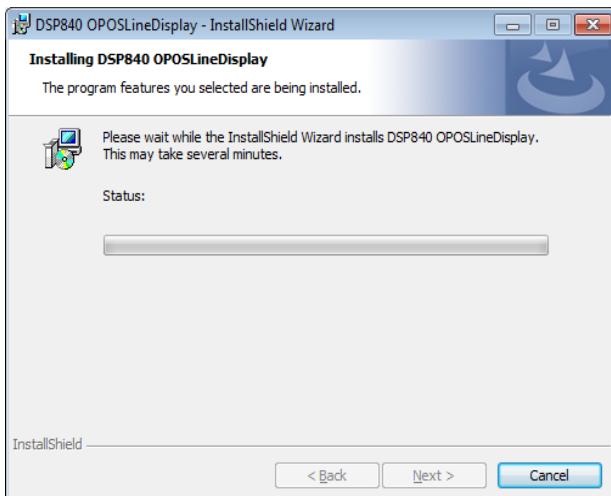


Figure 2-11 DSP840 OPOSLineDisplay  
-Installshield Wizard Dialog(3).

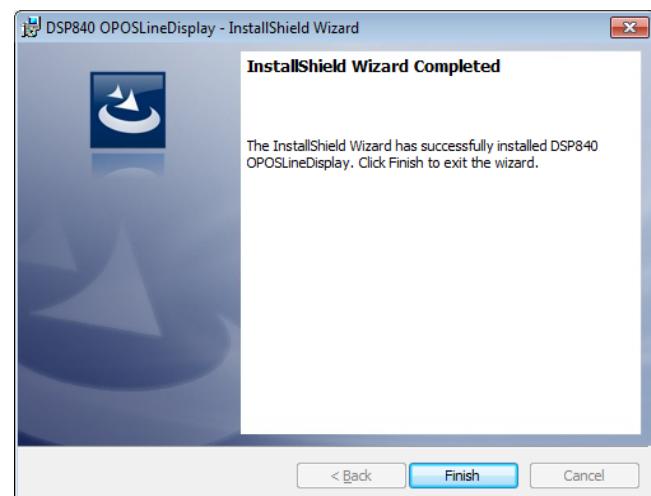


Figure 2-12 DSP840 OPOSLineDisplay  
-Installshield Wizard Dialog(4).

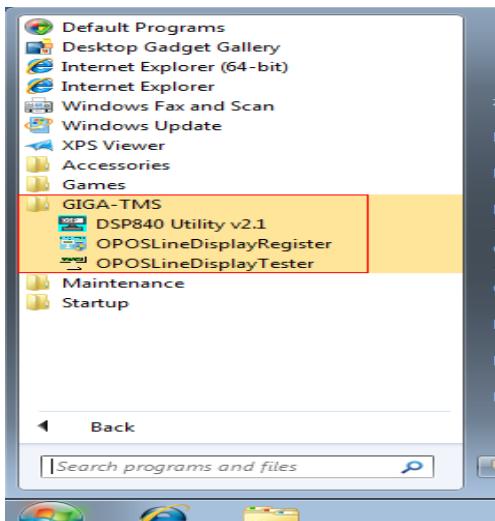


Figure 2-13. Complete installation of all  
2010/Nov./02

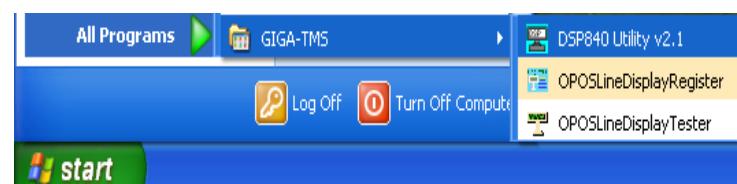


Figure 2-14. Complete installation of all software

software in Window 7.

in windows XP.

# Software Manual

- Execute the DSP840 Utility software.
  - To Run the DSP840 Utility in Windows XP.
    1. start menu → All Programs → GIGA-TMS → DSP840 Utility.
  - To Run the DSP840 Utility in Windows 7.
    1. start menu → All Programs → GIGA-TMS → DSP840 Utility, press mouse right key then Click run as administrator. See figure 3-1.
    2. Display the User Account Control dialog press Yes button. See figure 3-2.

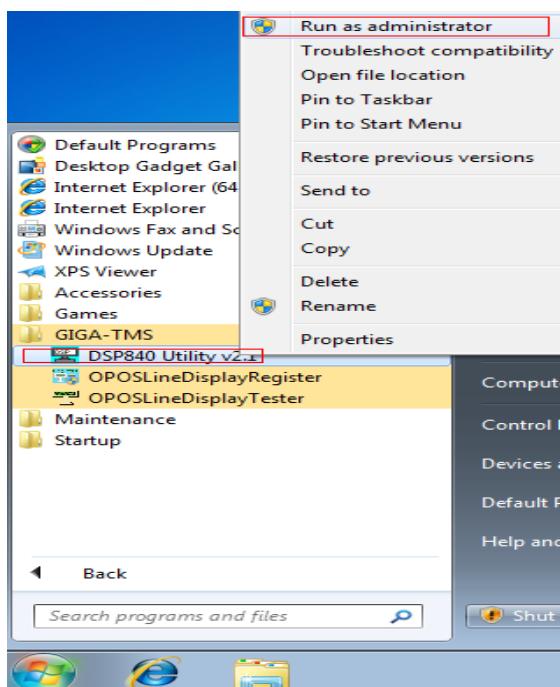


Figure 3-1.

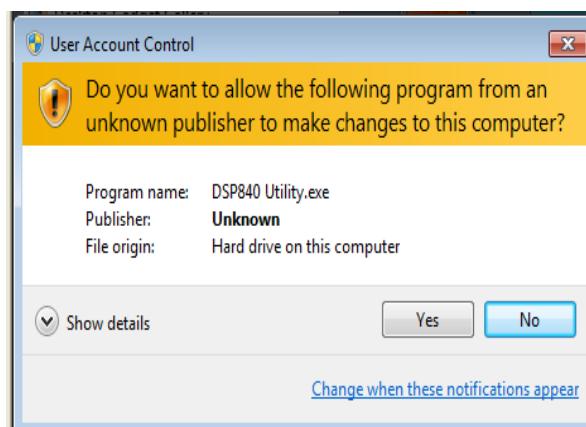


Figure 3-2.

- Execute the DSP840 OPOSLineDisplay software.
  - To Run the DSP840 OPOSLineDisplay in Windows XP.
    1. start menu → All Programs → GIGA-TMS → OPOSLineDisplay Register or Test.
  - To Run the DSP840 OPOSLineDisplay in Windows 7.
    1. Click start menu → All Programs → GIGA-TMS → OPOSLineDisplay Register or Test, see figure 3-3
    2. To run the software in Windows 7 must **run as administrator**, see figure 3-4.
    3. The User Account Control Dialog is display, Press yes button, see figure 3-5.

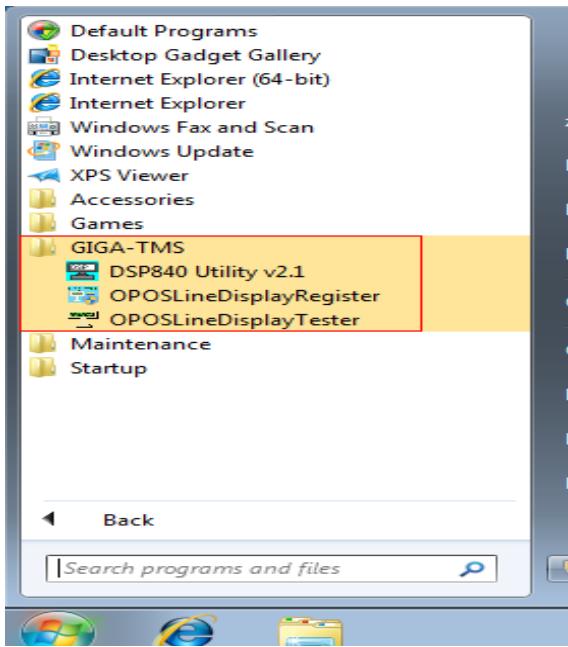


Figure 3-3.start menu → All Programs→  
OPOSLineDisplay Register or Tester.

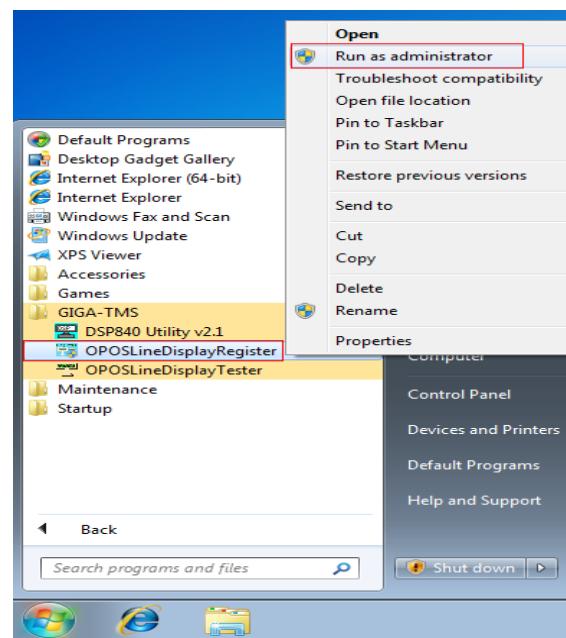


Figure 3-4.run as administrator.

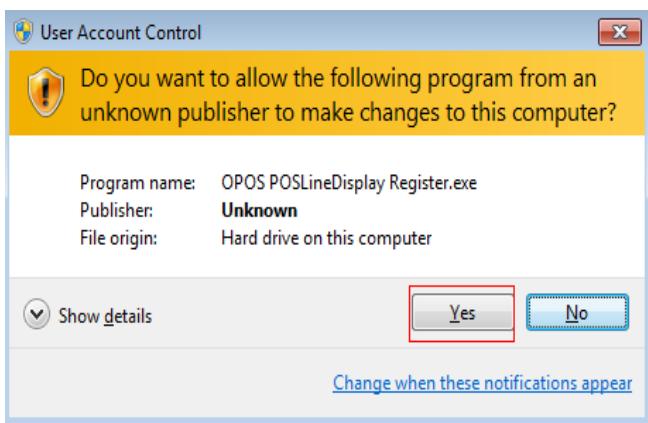


Figure 3-5.the user account control dialog,  
press yes button.

# OPOSLineDisplay Register of Demo Software

- A. Open: Start menu→All programs→ GIGA-TMS→ OPOSLineDisplayRegister and click, see page 7.
- B. The OPOSLineDisplayRegister is a opos register tool.
- C. the “Control Object” must be selected. See figure 4-2.
- D. Select a DSP840 from device mode name list (left list). See figure 4-2.

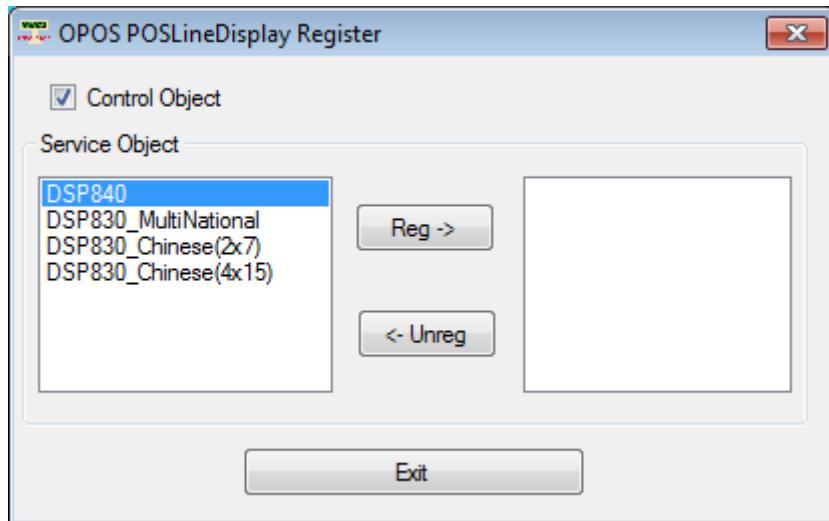


Figure 4-2.

- D. Press the “Reg - >” button. See figure 4-2. Show the OPOS Line Display Setting window. See figure 4-3.

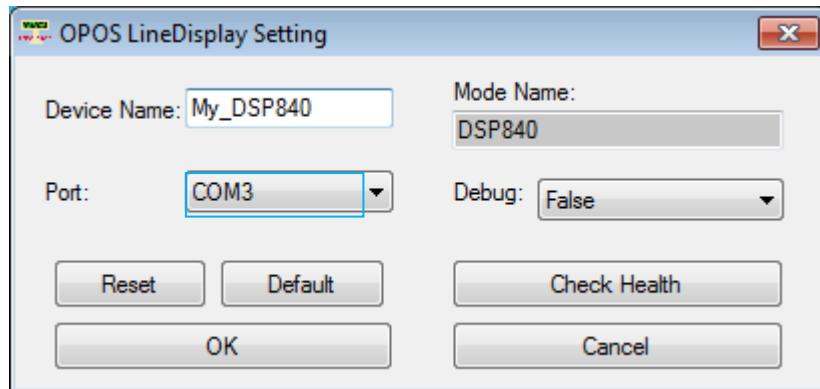


Figure 4-3.

- E. The device name can modify. See figure 4-3.
- F. Select a com port used to connect the device to the computer. See figure 4-3..
- G. If press the “Reset” button, the device name and port will return to the original storage value.  
See figure 4-3.
- H. If press the “Default” button, the device name and port will return to default value. See figure 4-3..
- I. Press the “Check Health” button, check the device and computer’s connection health status. See figure 4-3..
  1. When connection is health the SUCCESS message dialog will be display. See figure 4-4..

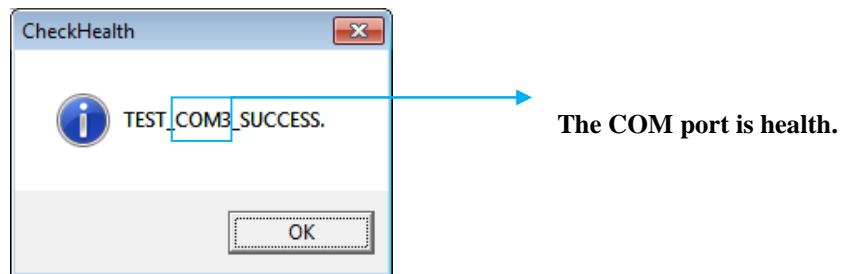


Figure 4-4..

2. When connection is failure the ERR message dialog will be display. See figure 4-5..

Example:

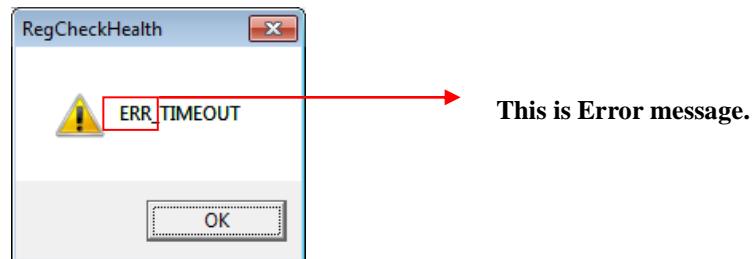


Figure 4-5.

- J. Press “Cancel” button, cancel the device register. See figure 4-3.
- K. Press “OK” button, the device register is completed. See figure 4-3.
- L. The Debug value is false, unless you have a good reason to change it. See figure 4-3.
- M. When the device already registered completed .You could also double click device name from device name list (right list), then modify device register relatively parameter. See figure 4-6.
- N. Press “Exit” button, close “OPOSLineDisplayRegister”. See figure 4-6.

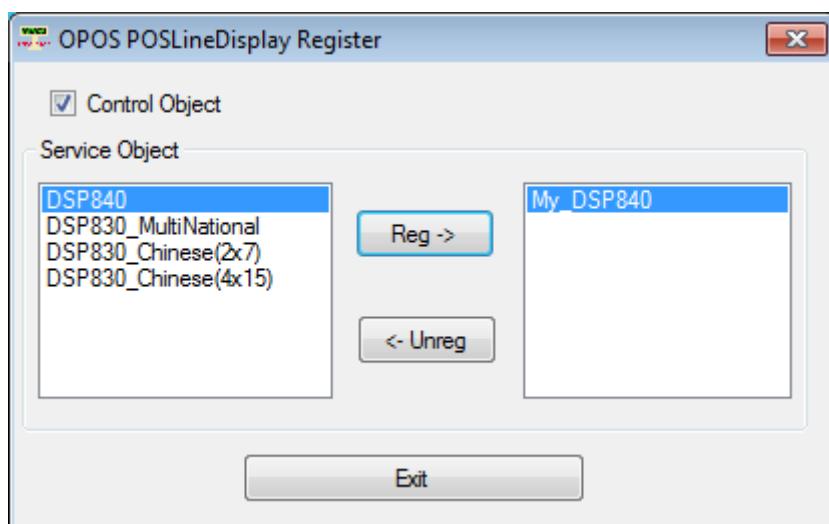


Figure 4-6.

# Setting OPOSLineDisplay baudrate.

- The DSP840's Baud Rate should be **19200** and parity, Data bit, Stop bit should be **N, 8 , 1** If you want to setting **DSP840**'s baud rate and parity, data bit, stop bit value, please run **DSP840 Utility**. See figure 5-1.
  - Execute the DSP840 Utility, see page 7.
- If you want to set **DSP840 OPOS driver**'s baud rate value (after the success of the OPOSLinedisplayRegister), please follow below.
  - Windows XP
    1. Start → Run → Input “ regedit” , press OK button. See figure 5-2.
    2. Select the DSP840's OPOSLinedisplay register area, see figure 5-3.
    3. Select the baud rate property double click, input value is 19200, press OK button, see figure 5-3.
  - Windows 7
    1. Start → all programs → Accessories → Run → Input “ regedit” , press OK button, See figure 5-4.
    2. Select the DSP840 OPOSLinedisplay register area, see figure 5-5.
    3. Select the baud rate property double click, input value is 19200, press OK button, see figure 5-5.
- The DSP840 device and the DSP840 OPOS driver's baud rate 、 parity, Data bit, stop bit should be the same.

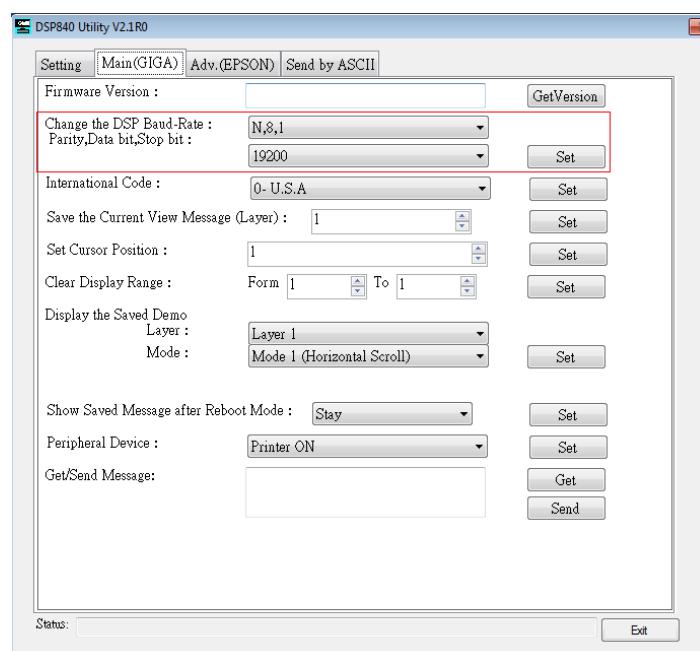


Figure 5-1. DSP840 Utility



Figure 5-2. Windows XP, regedit.

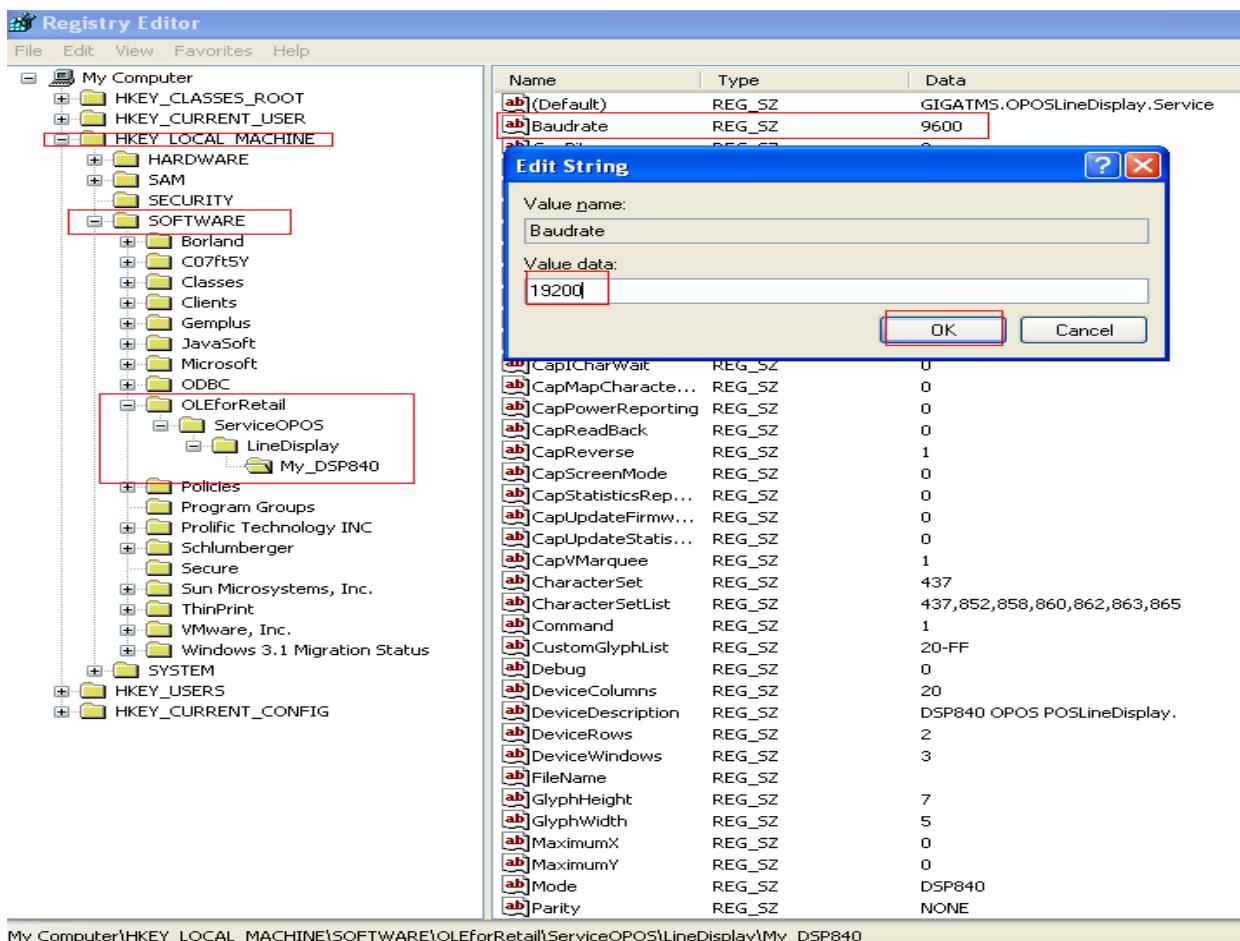


Figure 5-3. Windows XP registry path:

HKEY\_LOCAL\_MACHINE\SOFTWARE\OLEforRetail\ServiceOPOS\LineDisplay\My\_DSP840.

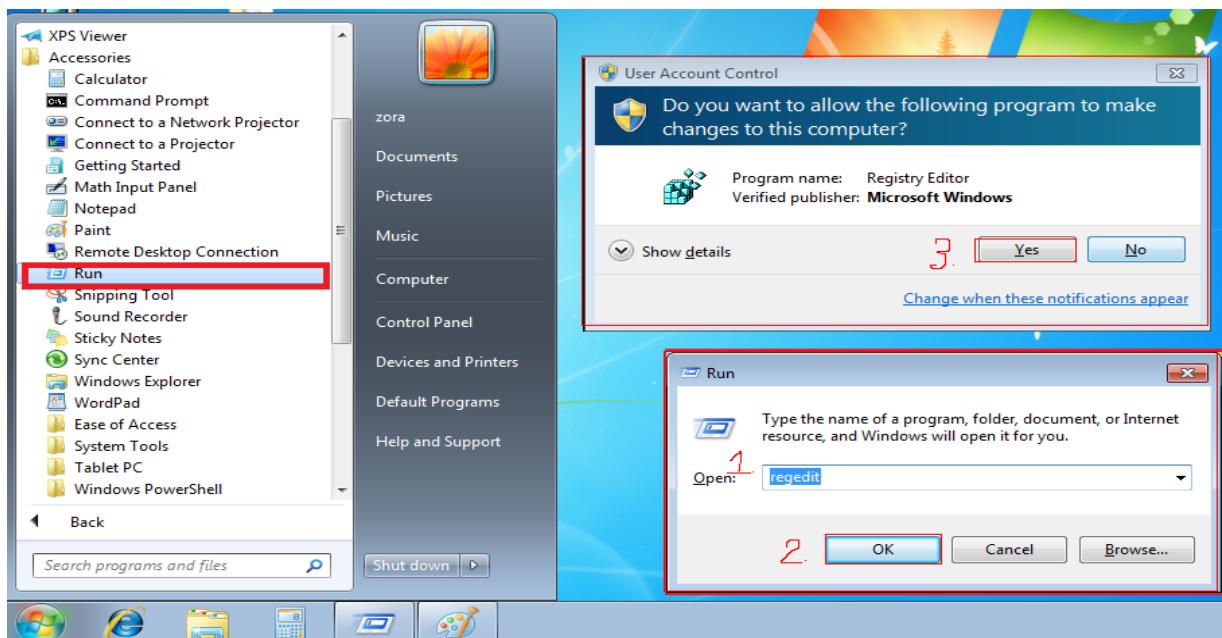


Figure 5-4. Windows 7, regedit.

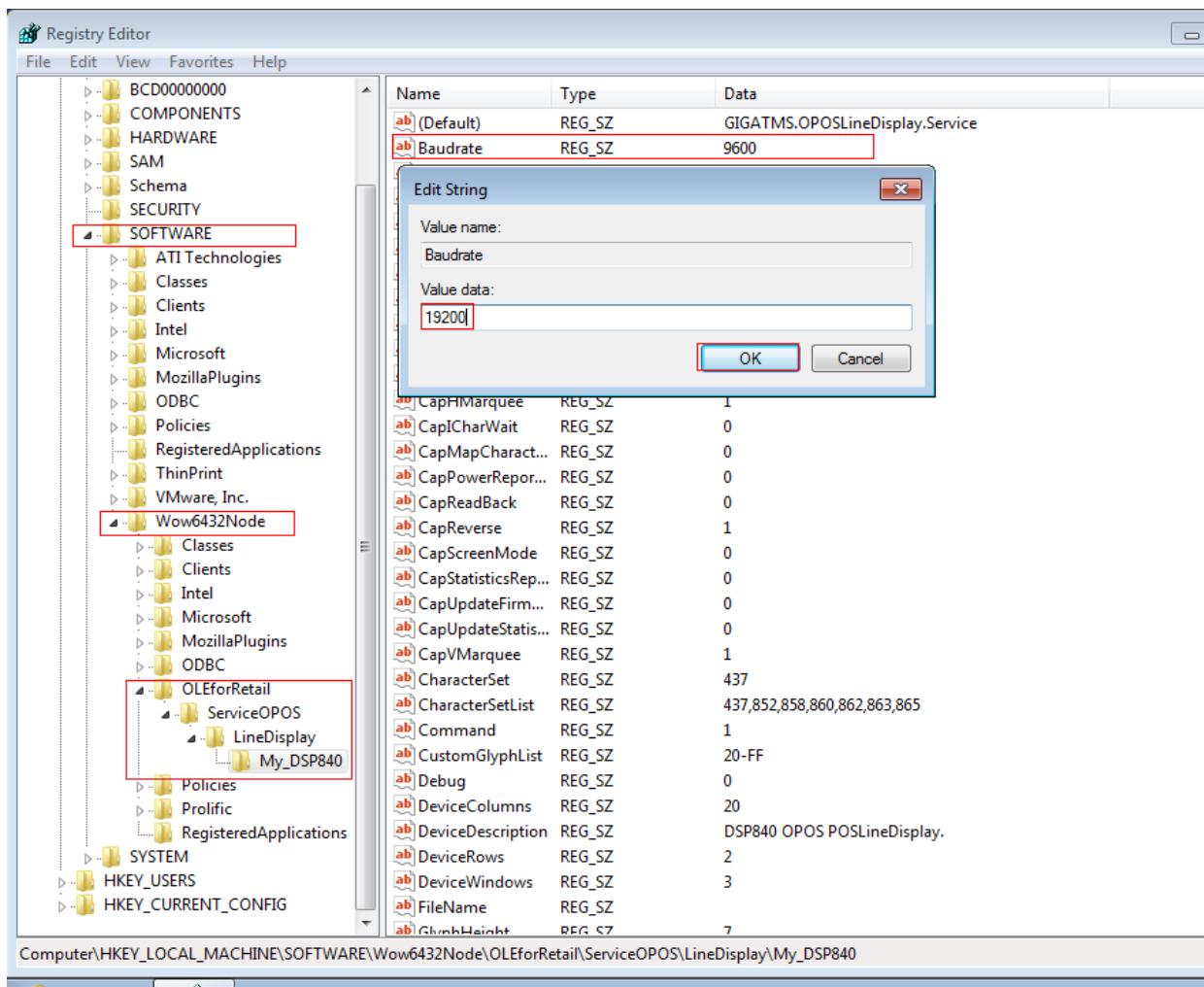


Figure 5-5. Windows 7 registry path:

HKEY\_LOCAL\_MACHINE\SOFTWARE\Wow6432Node\OLEforRetail\ServiceOPOS\LineDisplay\My\_DSP840.

# OPOS LineDisplayTester of Demo Software

- A. Open: Start menu → All programs → GIGA-TMS → OPOSLineDisplayTester.
- B. Select a Device Name, see figure 6-1.

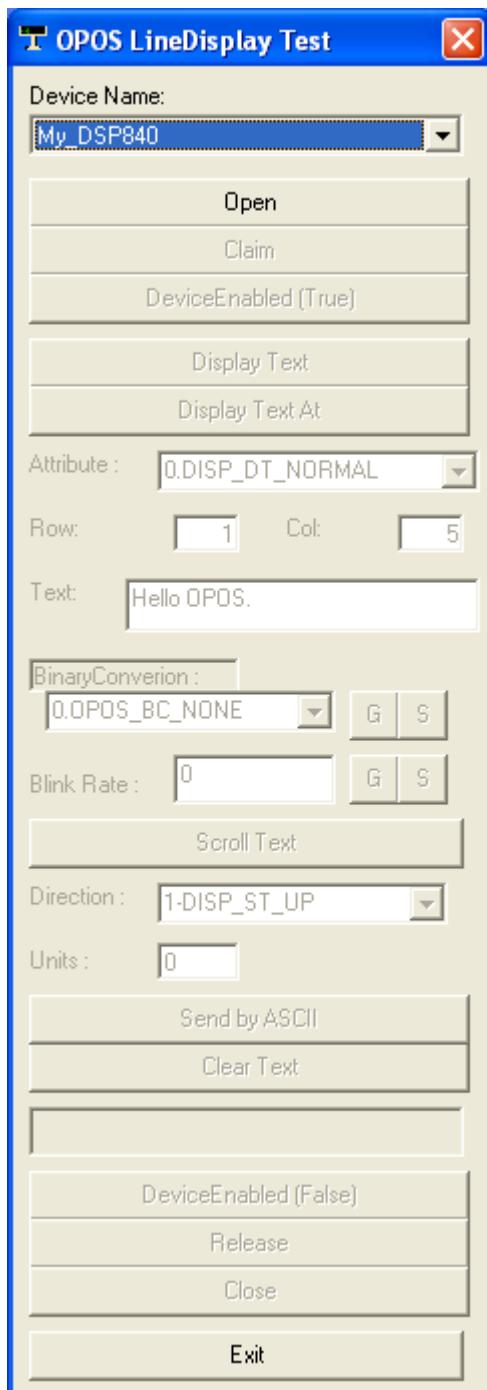
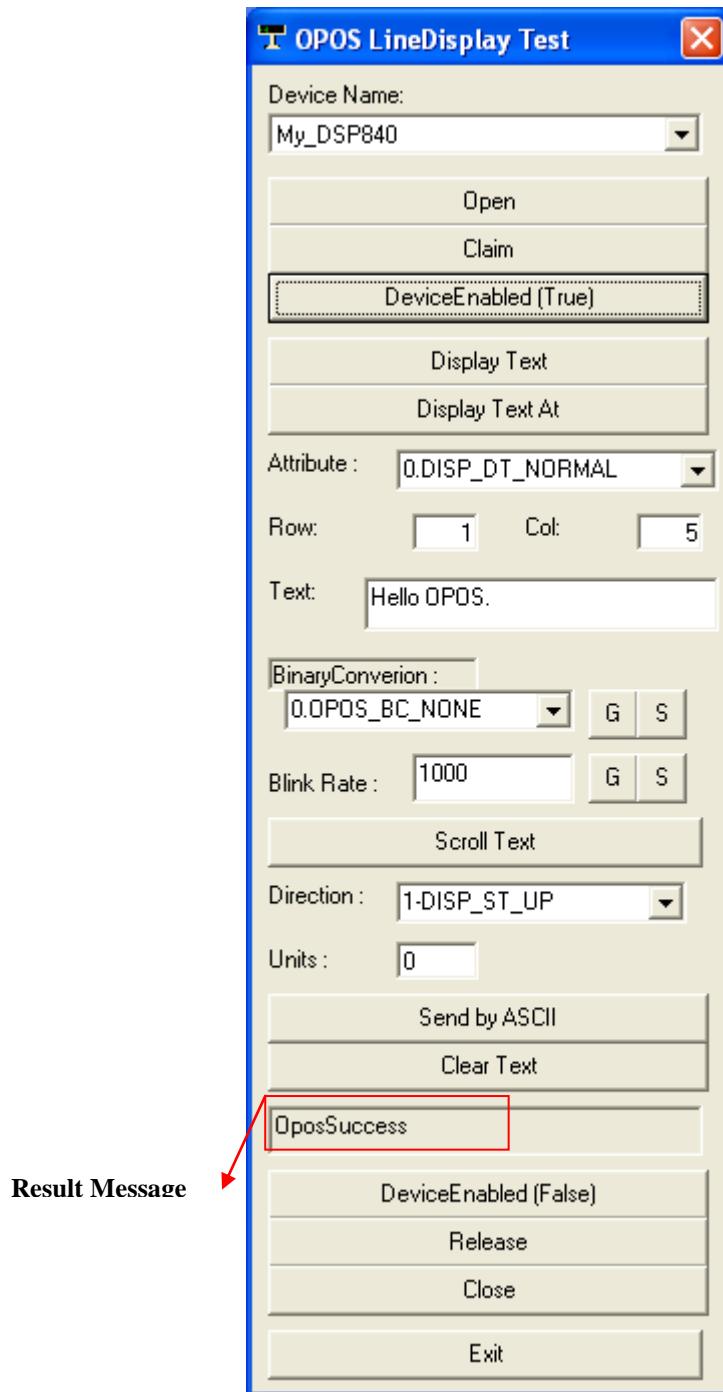


Figure 6-1.

- C. Start Test, see figure 6-1.

- step1. Press "Open" button, Open Control Object.
- step2. Press "Claim" button, Exclusive access to device.
- step3. Press "DeviceEnabled(True)" button, Device will be put into operational state.



**Figure 6-2.**

**D. Operation “OPOSLinedisplayTester”, see figure 6-2.**

- Press “Display Text” button, Transmit the current Text message to display.
- Press “Display Text At” button, Transmit the current Text message to Row and Col position in display.
- Press “Clear Text” button, Clear specific display area.

**E. DirectIO for Specific Device, seen figure 6-3.**

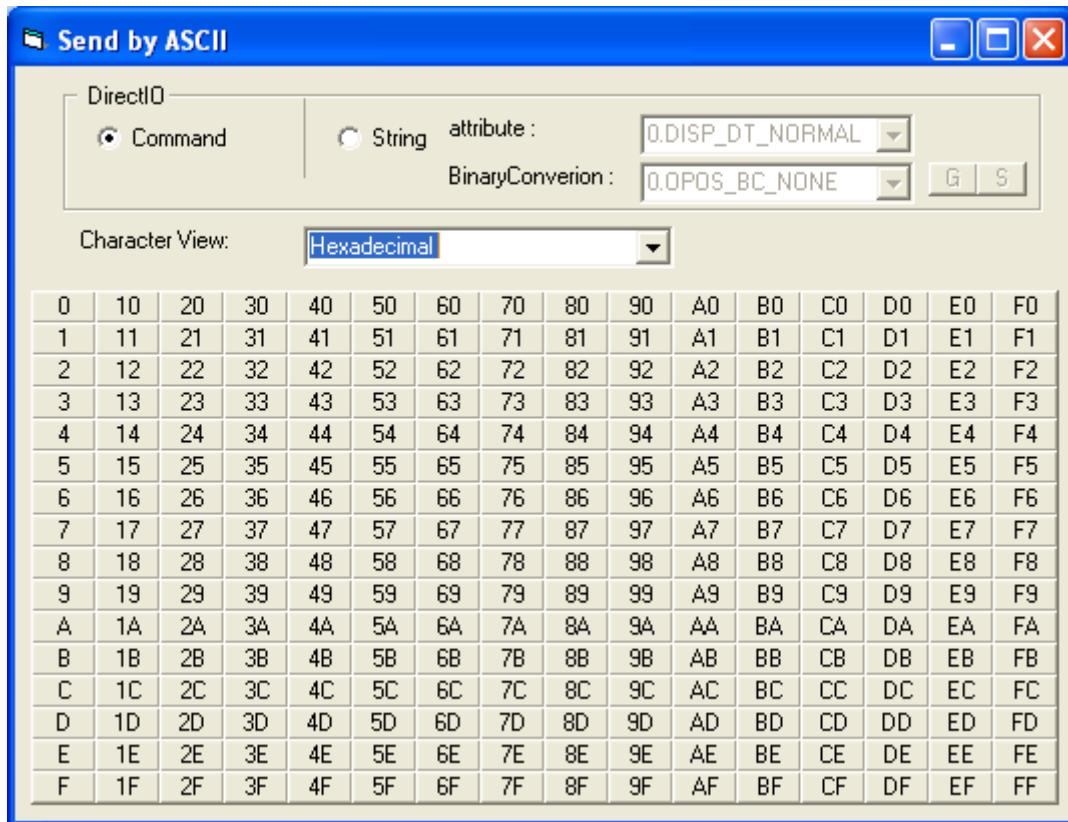


Figure 6-3.

- If you choice Command option box, input decimal numbers not be save to current window buffer.
- If you choice String option box, input decimal numbers will be save to current window buffer in cursorRow and cursorColumns position.

#### F. Close Test, see figure 6-2.

- step1. Press “DeviceDisabled(False)” button, Device will be put into non- operational state.
- step2. Press “Release” button, Release the device to share it with another device control object.
- step3. Press “Close” button, if application finishes using the device, it should call the close.

# Test MSPOS09 and DSP840 OPOS driver.

Please first install the dsp840 OPOS driver.



Figure 6-1. run MSPOS09.

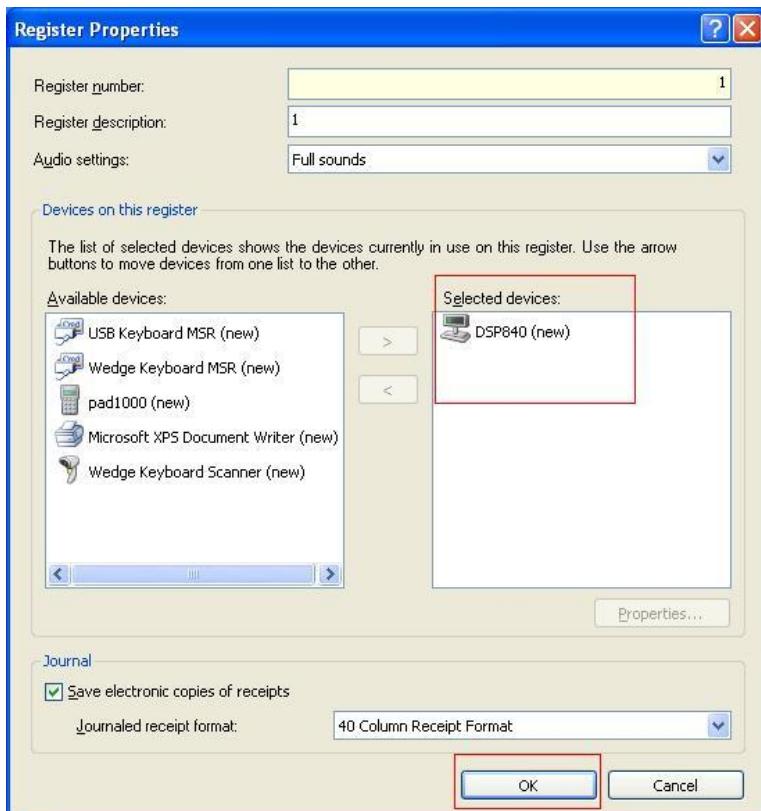


Figure 6-2. select DSP840( or your device name)device.

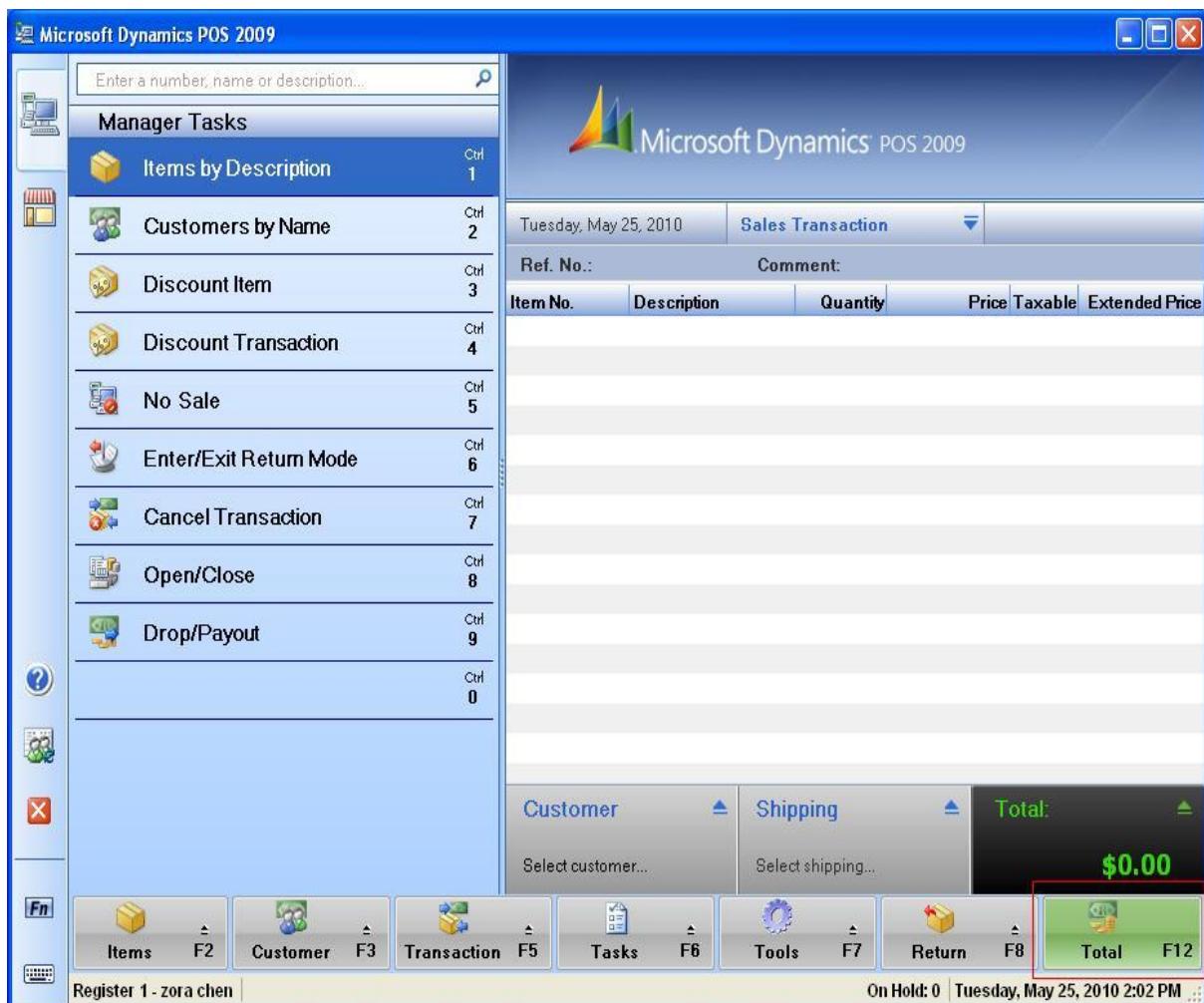


Figure 6-3. MSPOS09 Screen.

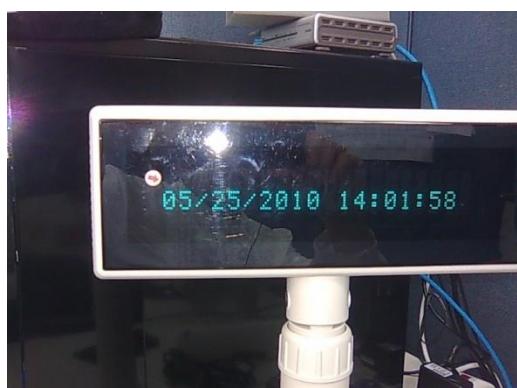


Figure 6-4. Device Screen after run MSPOS09.

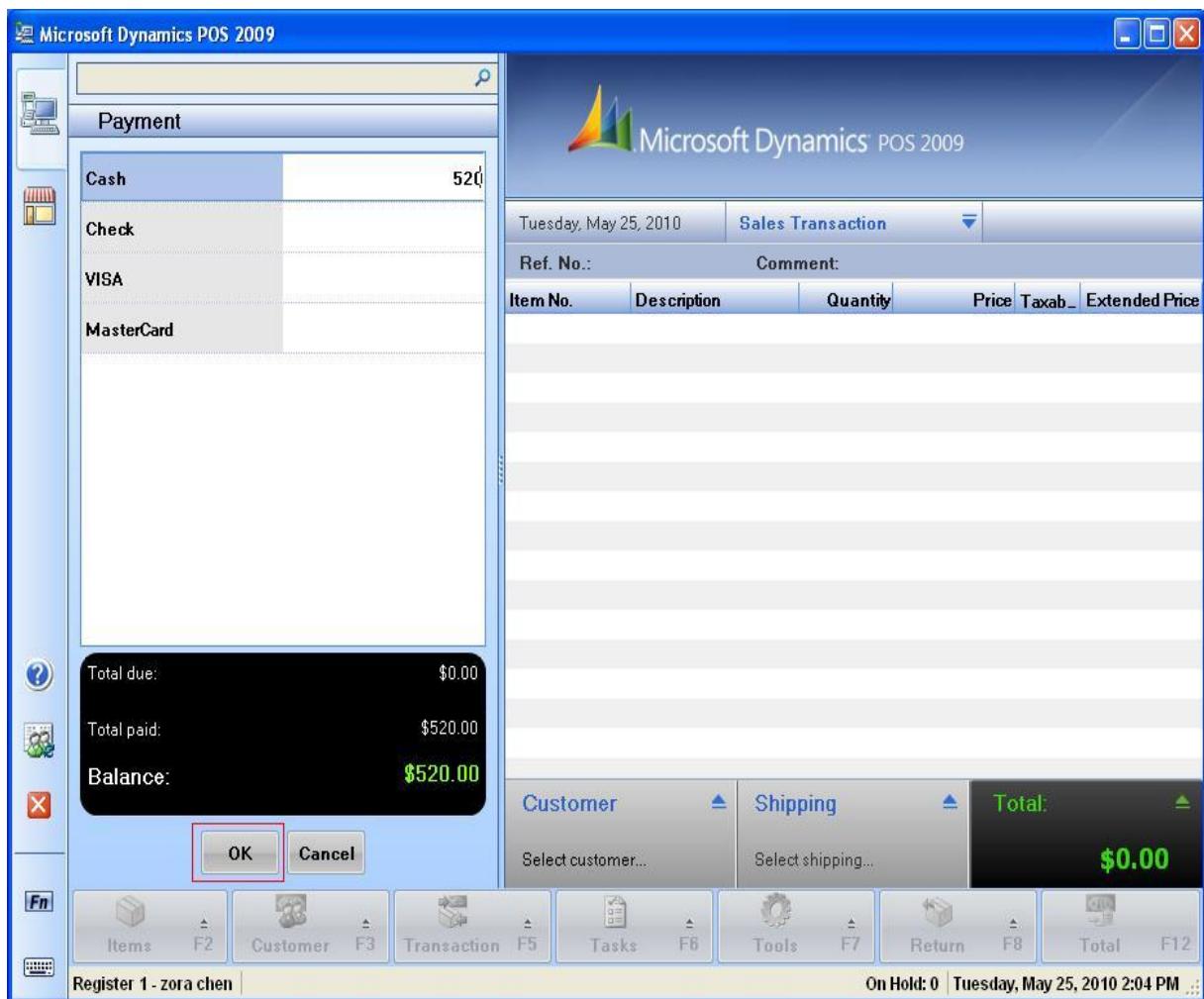


Figure 6-5. Input cash value.



Figure 6-6. Device screen after press "Total F12 " button.



Figure 6-7. Device screen after press OK button.



Figure 6-8. MSPOS09 show dialog after press OK button.

The Device screen is the same figure 20.



Figure 6-9. Device screen after close MSPOS09.