

DSP840

OPOS Driver

Operation Manuals

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Operating System Environment



Figure 1.

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 2.
- C. You must turn off the DSP840 power supply when you are doing DIP Switch Setting.

Baud rate setting

- D. The DSP840's Baud Rate should be **19200** and parity, Data bit, Stop bit should be **N, 8, 1**
If you want to set DSP840's baud rate and parity, data bit, stop bit value, please run DSP840 Utility. See figure 3.



Figure 2. DIP Switch is auto.

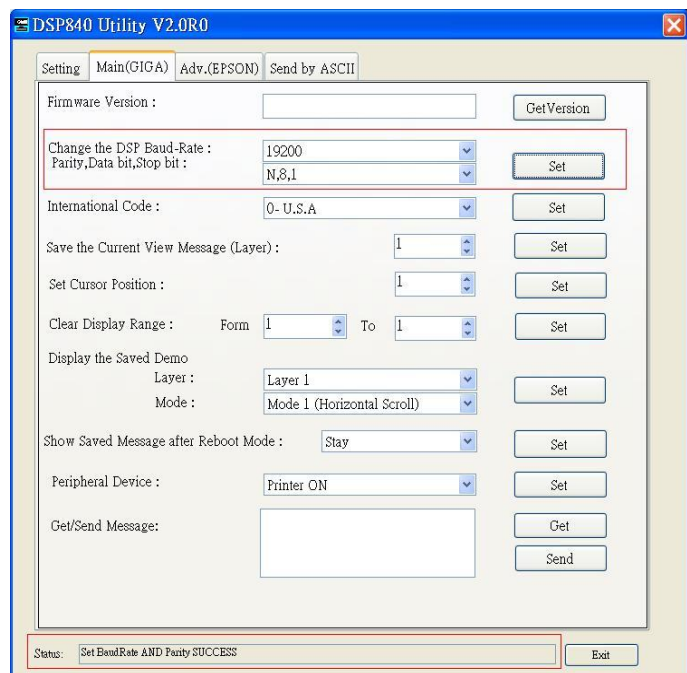


Figure 3. DSP840 Utility

Installation software File

- DSP840_OPOS_Setup.exe
- A. Double Click DSP840_OPOS_Setup.exe, see Figure 4 ~ 7.



Figure 4.



Figure 5.



Figure 6.



Figure 7

Software Manual

A. To run DSP840 OPOSLineDisplay, see figure 8.



Figure 8.start menu → point to All Programs → point to OPOSLineDisplay Register or Test.

OPOSLineDisplay Register of Demo Software

- A. Start menu, point to All programs, point to GIGA-TMS, point to OPOSLineDisplayRegister and click. see figure 8.
- B. The OPOSLineDisplayRegister is a opos register tool.
- C. the “Control Object” must be selected. See figure 9.
- D. Select a DSP840 from device mode name list (left list). See figure 9.



Figure 9.

- D. Press the “Reg - >” button , show the OPOS Line Display Setting window. See figure 10.

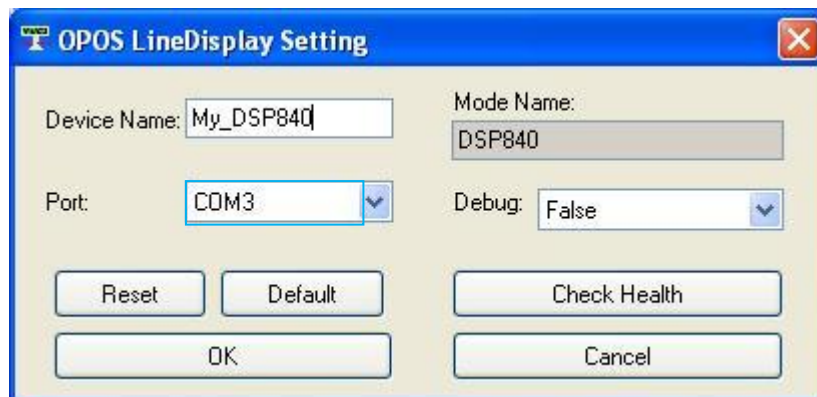


Figure 10.

- E. The device name can modify. See figure 10.
- F. Select a com port used to connect the device to the computer. See figure 10.
- G. If press the “Reset” button, the device name and port will return to the original storage value. See figure10.
- H. If press the “Default” button, the device name and port will return to default value. See figure 10.
- I. Press the “Check Health” button, check the device and computer’s connection health status. See figure 10.
 - 1. When connection is health the SUCCESS message dialog will be display. See figure 11.

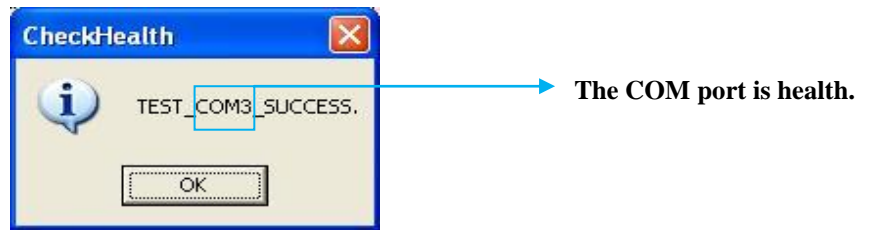


Figure 11.

2. When connection is failure the ERR message dialog will be display. See figure 12.

Example:

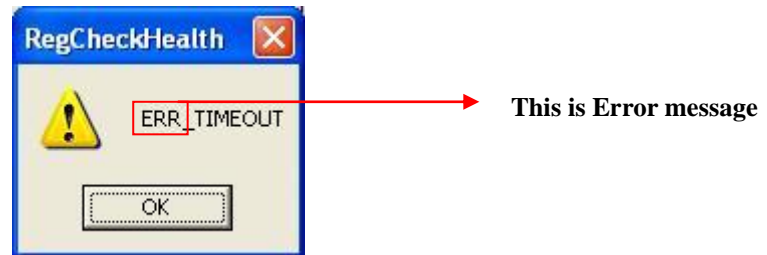


Figure 12.

- J. Press “Cancel” button, cancel the device register. See figure 10.
- K. Press “OK” button, the device register is completed. See figure 10.
- L. The Debug value is false, unless you have a good reason to change it. See figure 10.
- 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 13.
- N. Press “Exit” button, close “OPOSLineDisplayRegister”. See figure 13.



Figure 13.

OPOS LindDisplayTesterSample of Demo Software

- A. Start menu, point to All programs, point to GIGA-TMS, point to OPOSLineDisplayTest and click.
- B. Select a Device Name.

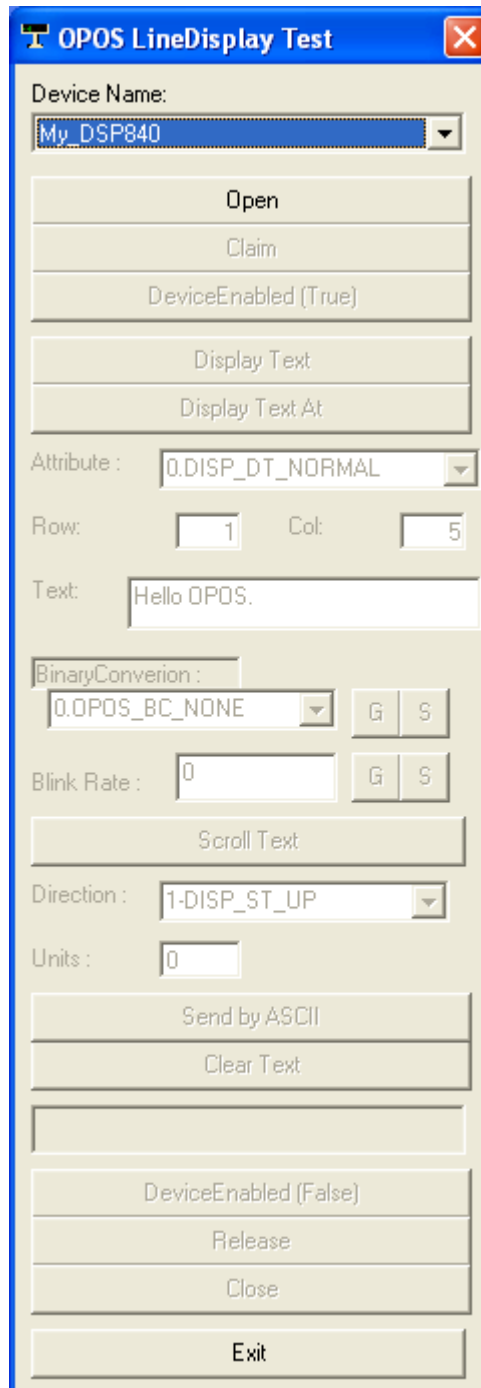


Figure 14.

- C. Start Test.
 - 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.

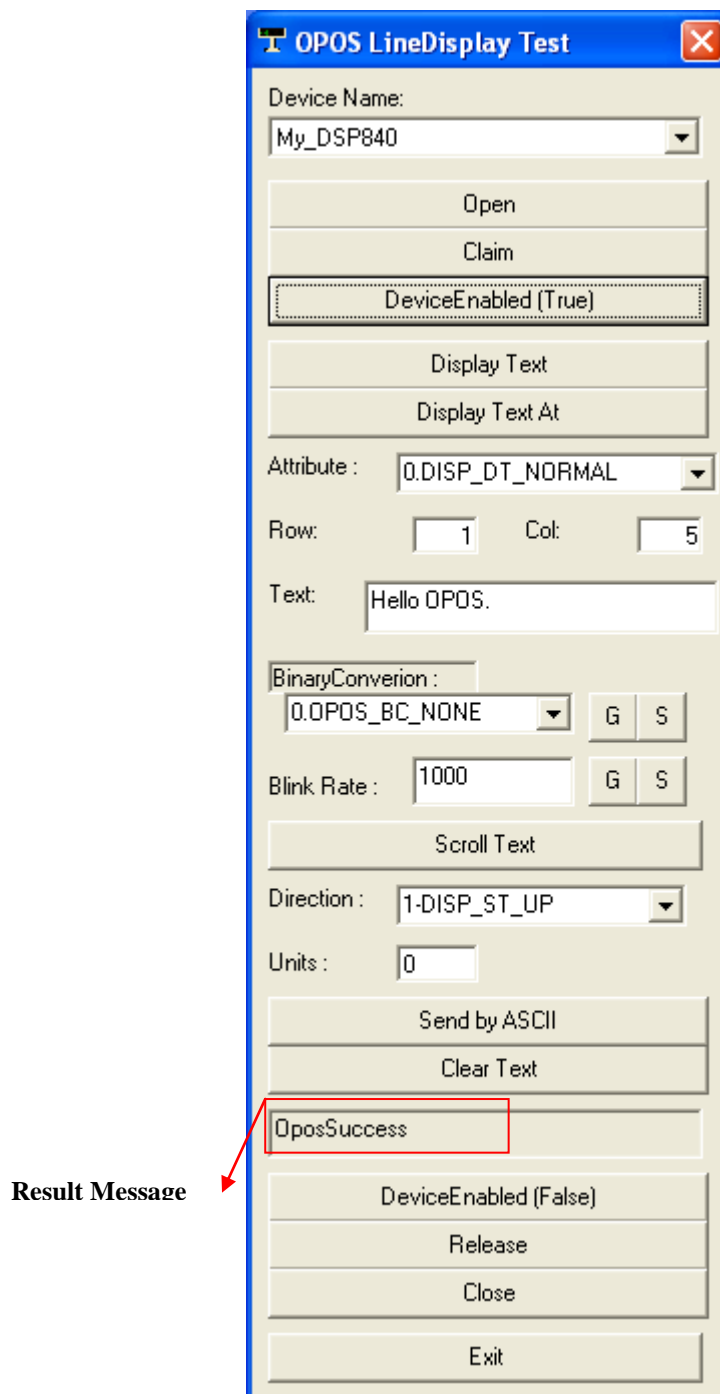


Figure 15.

D. Operation “POSLineDisplayTest”

- 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.

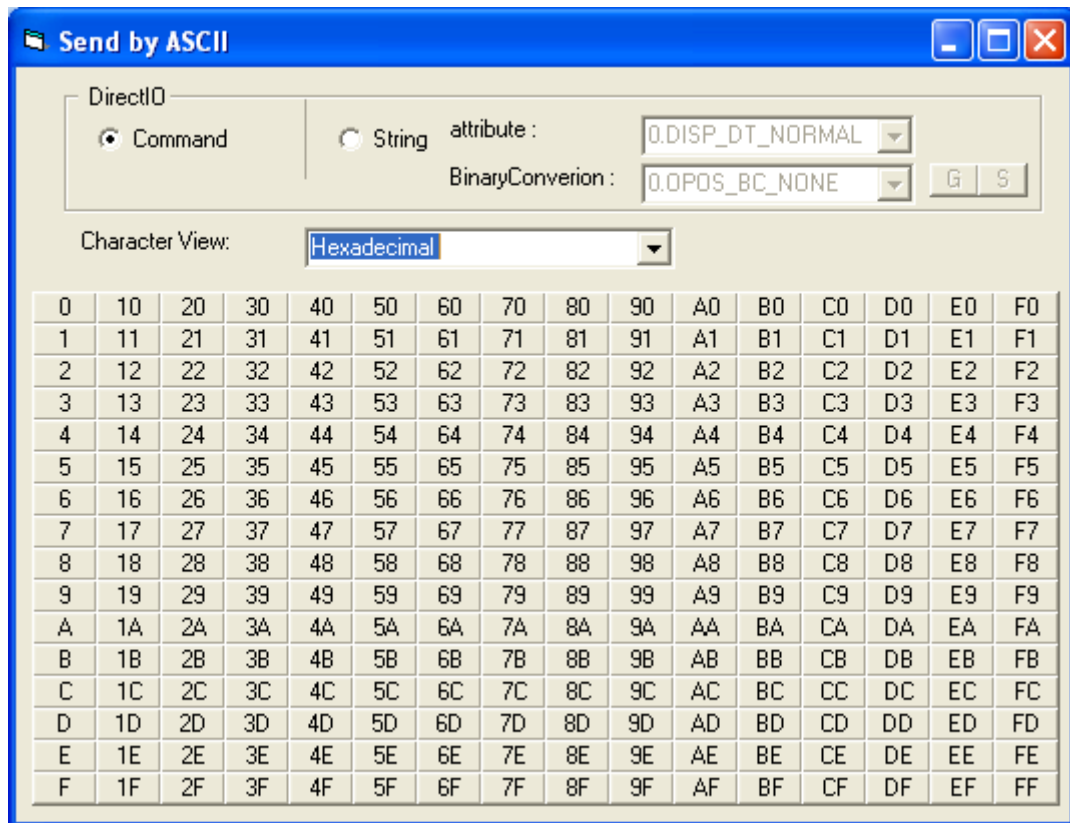


Figure 16.

- 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.

- 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 17. run MSPOS09.

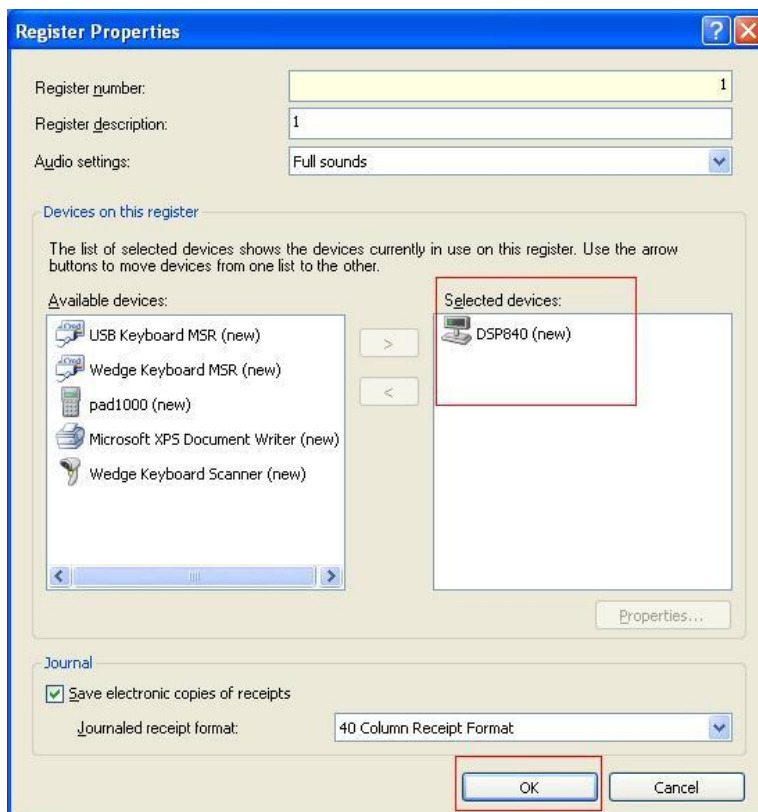


Figure 18. select DSP840(or your device name)device.

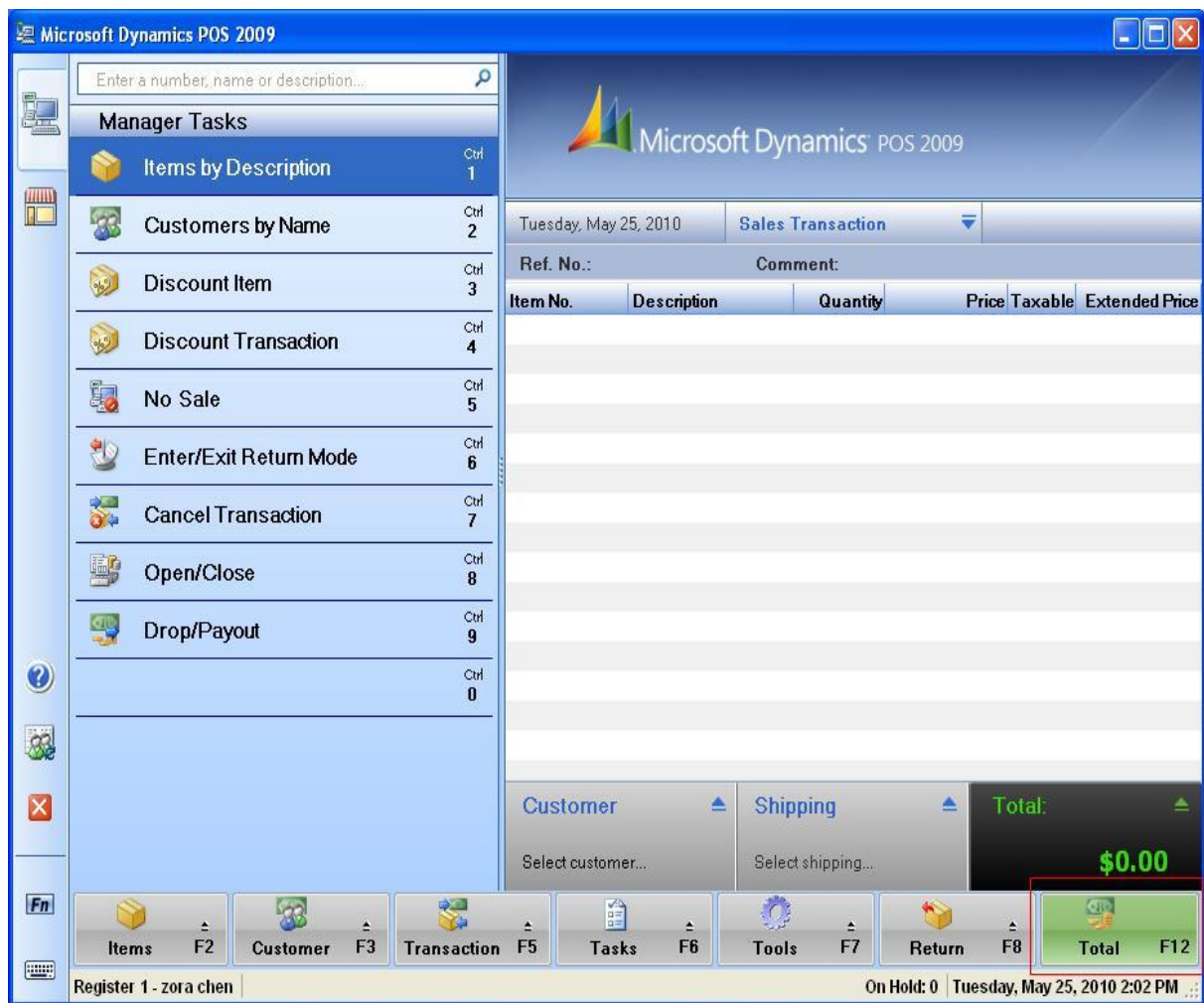


Figure 19. Enter MSPOS09 Screen.

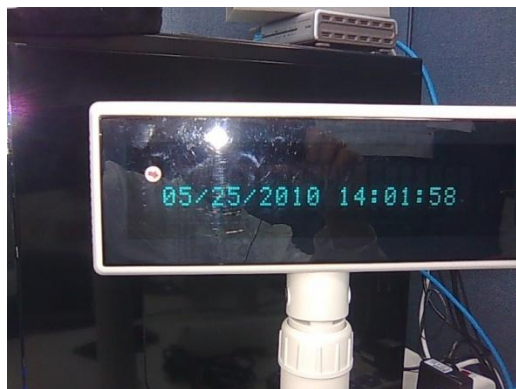


Figure 20. Device Screen after enter MSPOS09.



Figure 23. Device screen after press OK button.



Figure 24. MSPOS09 show dialog after press OK button.

The Device screen is the same figure 20.



Figure 25. Device screen after close MSPOS09.