

# VRX Company

Inc.

Application Note:  
Setup of  
SAM4s SPS 530  
for Text Inserter.

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**Abbreviations and Phrases**

|                 |   |
|-----------------|---|
| ASCII           | American Standard Code for Information Interchange  |
| JOURNAL PRINTER | A receipt printer connected to a POS, which records all transactions. This printer may be located in a back office. |
| Pole Display    | Usually a serial text display device with two lines of 20 characters. Common types are LCD and Vacuum Florescent.   |
| POS             | Point of Sale   |
| SAM4s           | Point of Sale Cash Register Manufacturer, formerly Samsung.   |

**Table 1 Abbreviations used in this manual**

**Summary**

The objective of this document is to show the standard connection to a SAM4s cash register and the typical serial port settings for compatibility with a Text Inserter. The example use is a SAM4s SPS 500. Use similar procedures on other SAM4s models.

**VRX Company does not recommend using a text inserter on most receipt printers. ONLY if the installer or end customer can configure the POS to print the receipt “line by line”, will the system be user friendly. SAM4s cash registers do not appear to have such a line-by-line setting.**

## Typical Cable Connections.

Use a straight through cable with the appropriate gender for connection from the cash register serial port to the Serial Input on the Text Inserter. Typical this is a male-to-male cable or a male to female cable with a male-to-male gender adapter. To complete the flow control hand shaking required for when the cash register is set up for Journal Printer applications use the VRX SAM4s Handshake adapter. Connect it at the Serial Output of the Text Inserter. See the diagram below.

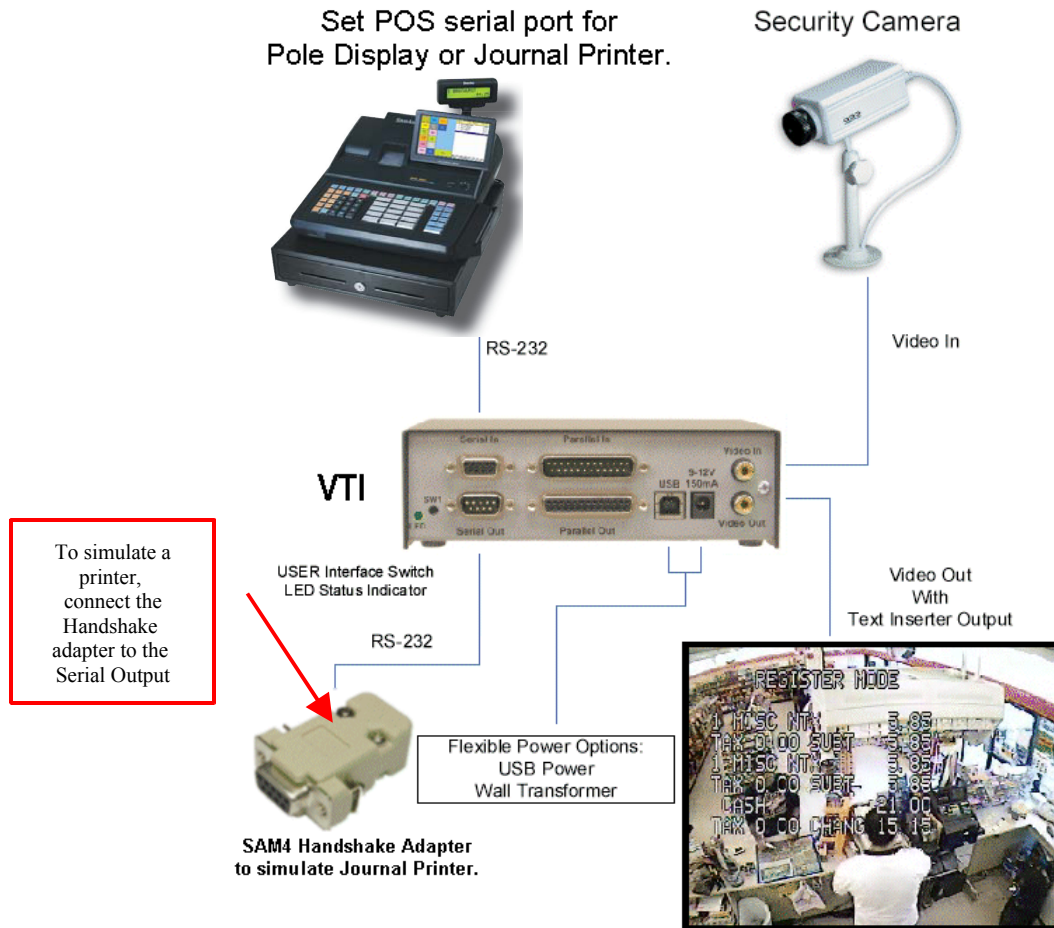


Figure 1. SAM4s Cable Diagram, Text Inserter as Journal Printer

## SAM4s Address Settings.

**CAUTION! Make the following changes to the POS cash register only with the permission and participation of the store manager or IT people. Use caution not to change any other setting. VRX Company cannot be responsible for the changes to address settings of the cash register. A cash register technician may be required to assist with the proper address settings.**

Configure the cash register serial port so that the cash register sends the appropriate data to the serial port in a format compatible for text insertion. SAM4s refers to this configuration as address setting.

## ***Programing Notes***

The cash register owner is responsible for programing the register and must provide any technical support as required. This information is provided for reference only.

## ***Suggested Serial Port Settings for Compatibility with Text Inserter***

Settings summary: 9600 bps, No parity, 8 data bits, 1 stop bit, Remote Journal Printer, type Epson TM-88.  
Set the pole display type to Epson even though you will probably not use it.

## ***SPS-500 Setup Notes***

For maximum Loss Prevention Success, set the cash register for a remote journal printer.  
Use the managers key to capable of setting the register into Service mode.

### **In service mode.**

Set for device function for TMT88 or SRP350

This is at the bottom of the screen where you select device as Printer and then select the printer. '

Page down to the printer. Hi light and it goes in the field.

### **Then go to program mode.**

Find Printer and KV routing system printer configuration is first on list.

Assume, One station printer. Will see: Printer number 1 receipt. Register 1 (for one terminal system) port number is internal R.

Next line printer number 2 set PR as "Text Inserter" or "Journal" Set register 1 port number 3.

Then everything else blank.

Close out.

### **System options**

Go to Detail printer routing.

Options are Register number and printer number. Put in Register 1 printer 2.

Turn the key to return to normal register operation.

## ***Integration Test***

Test the cash register with the Text Inserter. Make a sale and view the Video Out from the Text Inserter on a monitor. The monitor needs to be close because the typical set up of the Text Inserter is for inserted text to erase after 10 seconds of Journal Printer inactivity.

## **Having Trouble?**

If you are having compatibility trouble with the POS system and your Text Inserter, please look for updated information on our web site at [www.vrxinc.com](http://www.vrxinc.com)

Contact the VRX Company Inc at [support@vrxinc.com](mailto:support@vrxinc.com) or by calling 1-865-805-2437.

Snail Mail at: VRX Company Inc. PO Box 4663, Maryville, TN 37802-4663

## **Can You Help Us?**

If you found this helpful, can you help VRX Company Inc? We would always appreciate sample video or still images of our Text Inserter in your application. We desire clear images suitable for advertising. It is best if the video does NOT include real customers. We would like permission from you to use the video for our advertising. You can send video by email, mail a DVD, or call us at the number below for special instructions.