StoreNext

IBM SurePOS 350 Setup With ISS45 V7 and V8

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Table of Contents

IBM SurePOS 350 (4810-350) Workstation Setup

This section describes the setup of an ISS45 PoS Workstation.

Prerequisites

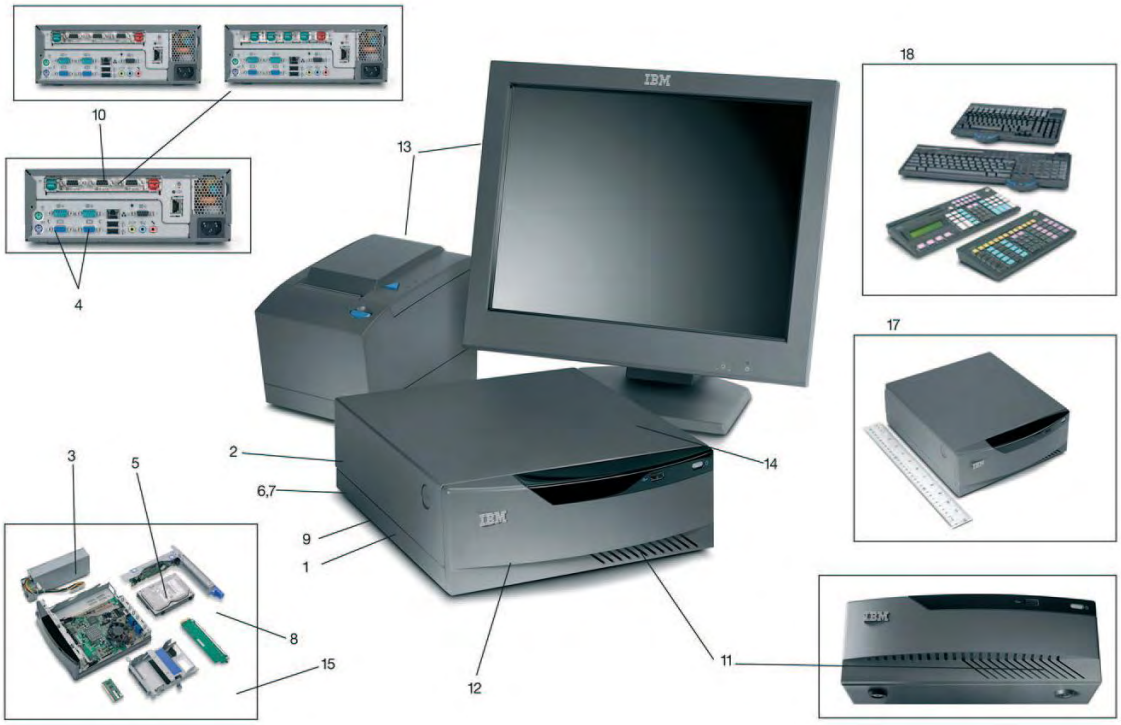
1. Operating System Recovery CD/DVD for POSReady 7 Recovery CD/DVD for SurePOS 350 if system is not preloaded. You should make an image of the factory image if your machines are preloaded.

   NOTE: You can check your image version by double clicking on ID.txt file in c:\.
2. ISS45 v7.1.4.0-100, v7.1.5.0-110 and v8.1.6.0-080 or higher are supported on this POS.
3. Prepare POSReady 7 for software installation. See Appendix C.

Introducing the IBM SurePOS 350 (4810-350)

See the StoreNext website for configurations and packages for this product as well as individual components.

IBM SurePOS 350 (4810-350)



1 Compact footprint and distributed design
2 Intel® Celeron® T3100 processor provides 60 percent performance improvement
3 80 PLUS Gold power supply
4 Dual video display capability
5 Storage options include 500 GB hard drive. Solid state drive (SSD) can help speed performance, availability and reliability
6 Deep sleep automation and built-in power management let POS "nap" and lower energy costs
7 Remote Management Agent
8 Virtually tool-free access to key components
9 Sensor driver allows proactive monitoring of the health of the system
10 Selectable and upgradeable SurePorts enable retailers to use existing devices and connect customer or employee devices
11 Front vents promote front to back airflow keeping the system cool and help keep systems up and running
12 Retail-hardened design
13 Engineered for retailers with components designed to work together seamlessly
14 Open platform and broad operating system support, including IBM 4690 V6.3
15 Service and parts available up to seven years after withdrawal
16 IBM keyboard options
17 Takes less than one foot counter space

IBM SurePOS 300 Series at a glance	
Hardware	Models 350/35A/E50/E5A
Processor	Intel Celeron T3100
Storage Option	
Hard disk drive	500 GB (standard on E50, E5A)
Solid state drive	One or two 64 GB (replaces hard drive on E50, E5A)
Memory*	1 GB DDR3 (2 GB on E50/E5A, expandable to 4 GB on all models)
Connectivity	
IBM SurePorts	See IBM SurePorts chart for a full description of IBM SurePorts and connectivity options.
PC USB ports	2 (back), 1 (front)
RS-232 ports	2
Powered RS-232 ports	1 (9-pin) (See IBM SurePorts chart for all connectivity options)
PS/2 keyboard/mouse	1/1
RJ45 Ethernet	10/100/1000
Video	2 VGA
Audio line-in, microphone, line-out	Back
Dimensions (WxDxH)	9.6" x 10.9" x 3.5" (245 mm x 277 mm x 90 mm)
Weight	8.8 lbs (4.0 kg)
Power consumption	80 PLUS Gold Efficient power supply
Optional peripherals	
Displays	IBM SurePoint™ solution, distributed 11-character display (AP Only), distributed 40-character displays, distributed character graphics displays
Printers†	IBM SureMark printers, fiscal printers (ask your local representative for details)
Keyboards	USB and PS/2 modular keyboards (ANPOS, CANPOS, 67-key, and 67-key with LCD)
Cash drawers	Compact, value (AP Only), full-size, flip-top

IBM SurePOS 300 Series at a glance	
Software	
Operating systems supported‡	IBM 4690 Version 6.3 Enhanced terminal Microsoft Windows Embedded POSReady 2009 (Preload option E50, E5A) Microsoft Windows Embedded POSReady 7 (Preload option E50, E5A) Microsoft Windows 7 Professional Microsoft Windows 7 Ultimate SUSE Linux Enterprise Point of Service 11 with Service Pack 2 (when available) SUSE Linux Enterprise 11 Desktop with Service Pack 2 (when available) DOS 2000 (no POSSDOS support)
Drivers supported	UPOS 1.13.3 or higher (includes OPOS and JavaPOS)
Management tools	IBM Director Remote Management Agent
Industry standards	
System management	WfM 1.1 SMBIOS 2.3 PXE 2.0 WOL
Power management§	APM 1.2 ACPI 1.0 ACPI S3
Services	
Limited warranty*	1 year IBM on-site (350, E50) 1 year IBM Depot (35A, E5A)
ServicePac®	One and two years are available
Service life	Up to seven years after withdrawal from market
Technical support††	24×7 phone support (during warranty period, response times may vary; may exclude some holidays) and web-based help. Both depot and onsite service are available.

	IBM SurePorts	24 V USB	12 V USB	Powered RS-232 (9-pin)
Powered RS-232/USB mix (default)		1	1	3
All powered USB (option)		1	4	

IBM SureMark Multi-Station Printer (4610-2CR)

This printer replaces the 4610-DG4/TG4 as StoreNext's multi-station printer in SurePOS 350, 500 and 700 POS packages. Overall, it's better and faster (though unfortunately not cheaper) but provides better value.

- Up to 80 lines per second, superior reliability, serviceability, and usability.
- Light-Path management coupled with tool-less replacement of major assemblies plus enhanced systems management sensors and usage counters make these models very easy to service and manage. The three Light-Path LEDs make diagnosing problems as easy as 1,2,3.
- The new 4610 Printers minimize landfill waste and carbon emissions by using packaging materials that consist mostly of recycled post-consumer materials. Additionally, these printers are designed to print the very latest in receipt media technology - new polymer receipt media, which offers a very green alternative to paper receipt media.
- Drop-and-load paper loading and a cover open button simplifies paper loading
- Support for large four-inch diameter paper rolls minimizes labor expenses by reducing roll changes.

This printer is now available separately to StoreNext dealers. It is packaged with its P-USB cable to minimize dealer cost.

See the new IBM 4610-2CR Data Sheet, available from the StoreNext Dealer Support Web site.

IBM SureMark Single-Station Printer (4610-1NA)

This single-station printer replaces the 4610-TF6 in StoreNext's product line and SurePOS 350, 500 and 700 packages. Features include:

- Fastest IBM receipt printer ever—80 LPS—27% faster than top competitor
- Accurate, programmable sensor system monitors printer "health"
- Reduces paper changes by 46% with support for four-inch (102 mm) rolls
- Eco-friendly packaging and receipt media
- Resists spillage—channels liquids away from critical components
- Flexible mounting options include wall mounting with upside-down printing

This printer is now available separately to StoreNext dealers. It is packaged with its P-USB cable to minimize dealer cost.

See the new IBM 4610-1NA Data Sheet, available from the StoreNext Dealer Support Web site.

IBM UPOS is supplied on the hard drive, but is not loaded. Please replace it with the current version that can be found on the StoreNext FTP site. Install and configure it by using the sections labeled 'OPOS Installation – Screen Shots' and 'Configuring OPOS – Screen Shots'. These sections contain step by step information relating on how to load and configure OPOS.

The following are 'fast path' steps to assist you in receiving, inventorying and assembling the SurePOS 350 system and peripherals.

SurePOS 350 (4810-350) Hardware

Figure 1: IBM SurePOS 350 Hardware

Each piece that makes up the system is packed in separate boxes, within a single large over-pack. You should Inventory the entire shipment to make sure all pieces are present.

Receiving and Unpacking the SurePOS 350

Container

When you receive the SurePOS 350 and all the peripherals they will be packed into a single over-pack, possibly banded to a skid. There will be a box marked “Open Me First” within the over-pack. In this box you will find cabling, paperwork and the lock cylinders with a set of keys. Do not discard any of these items. Save the Golden Key as it is required for you to install the lock cylinders.

Remove the packing slip and validate the unit is complete. If there are pieces that are not noted (see the list below) then contact your distributor to make sure they were shipped. If, when you open the over-pack and take an inventory and you find pieces are missing, look for another box that may include them.

Save the boxes for use in shipment to your customer unless you use specially designed ones to fit the assembled POS system. It may be your plan to have some assembly completed at the customer site. If this is correct, make sure all the parts are repacked in a manner so they will not be lost. If assembly is to be done at the customer, we recommend the cables be left attached to the SurePOS 350 where possible and disconnected from the peripherals. This will ensure the cables are connected to the correct ports.

Take an Inventory

Depending on what you order the SurePOS 350 (4810-350) will include the following:

- SurePOS Base Unit – 4810-350
- Black Power Cable
- Ethernet Cable
- 50-Key POS Keyboard
- 50-Key POS USB Keyboard Cable
- 50-Key POS Keyboard Lock Cylinder and keys
- Distributed Character Display (2x20)
- Distributed Serial Character Display Cable
- Powered USB Cable with Green End for Touch Flat Panel
- SurePoint Touch Flat Panel – 4820-5xx
- Flat Panel Stand
- 15 – Pin Video Cable
- SureMark Printer – 4610-2CR
- Powered USB Cable with Red End
- Roll of Thermal Paper
- Slip Printer Ribbon

- Full Size Cash Drawer
- Distributed (long) Cash Drawer Cable
- Cash Drawer Fixed Till
- Cash Drawer Lock Cylinder and keys
- Gold Key for lock Cylinder installation

Assembly steps for the SurePOS System

SurePoint Touch Flat Panel

Open the two boxes with the SurePoint Flat panel and the table top mounting stand. Set the flat panel face down on a table. There are three plastic pieces that come with the unit. Two pieces are already attached to the table top mounting stand. Place the stand on the table and remove the pieces as follows. The top piece covers the hinge mechanism. Depress each side of the curved plastic piece to clear the plastic beads from the holes in the frame and remove it. Slide the piece that covers the rest of the stand, an angled piece, backwards, parallel to the table. It will disengage from the frame.

Insert the Powered USB cable into the base of the Flat Panel. Make sure it clicks into place. Attach the video cable and tighten.

Assemble the stand onto the Flat Panel. The stand has two tabs on the top that will fit into holes on the back of the Flat Panel. Make sure the cables are routed from the Flat Panel to the back side of the stand, thru the rectangular opening in the stand. When the stand is engaged into the Flat Panel, attach it by using the 4 brass screws that are supplied.

Route the cables behind the two retaining clips on the back side of the stand and make sure the cables exit the stand in the center of the base.

Replace the angled plastic by reversing the steps from above. Simply insert the base of the plastic into the base of the stand and slide it forward until it clicks.

Replace the curved plastic piece by reversing the steps from above. Simply depress each side and slide it back into the retaining holes on the frame.

Place the larger, square, plastic piece on the back of the Flat Panel to cover the open areas left. It will click into place. Some force may be required.

SureMark Printer

Unpack the SureMark Printer. In the box there should be a Powered USB cable with a red end, a small roll of thermal paper and a ribbon. If the interface board comes separate you will need to snap it into place by turning the printer over, insert the one end and line up the connector and snap into place.

Remove the tape from the outside of the printer and make sure all pieces are still intact. Open the front cover at the Document Insert Station and remove the shipping cardboard.

Turn the printer over and install the Powered USB cable into the port on the printer. It will fit only one way, with the metallic side of the cable visible from the bottom. Make sure it clicks into place.

Turn the printer back over and install the printer ribbon and the thermal paper you plan to ship with the unit. Make sure the thermal paper unrolls from the top towards the back. This orients the paper to print on the correct side. Feed the paper thru the opening in the back cover and close the cover.

External Customer 2x20 display

Open the box identified to include the 2x20 external display. In the box you will find the display, the pole and mounting base, the cradle and two plastic screws. In the box marked “Open Me First’ there should be a black cable that has a 15-pin D Shell connector on one end and a square, modular, connector on the other.

Attach the cradle to the mounting base and run the cable from the opening in the base of the stand thru the top of the cradle. Make sure the square, modular, end is showing at the top of the cradle.

Plug the cable into the 2x20 and make sure it clicks into place.

Orient the Display into the cradle. Be cautious that it is set correct. It is designed to be able to tilt backwards. If it is attached incorrectly it will not tilt the right way. Snap the sides of the mounting base over the edges of the 2x20 and click it into place.

IBM Cash Drawer

Open the large box with the cash drawer and a smaller one with the cash drawer till. The cash drawer cable will be in the box with the drawer. In the box marked “Open Me First’ you will find a lock cylinder with two keys. You will also find a “Golden” key.

Install the lock cylinder by setting the drawer on table with the drawer end upward. Look into the cylinder to make sure the grove in the insert area is oriented vertically with the wider part at the top. If it is not, use a flat blade screwdriver to line it up. It is important as the lock cylinder fits into the grove. Fully insert the ‘Golden’ key into the lock cylinder. You will see an additional tumbler moved. Insert the cylinder into the drawer with the teeth of the key upward. The cylinder will seat where it is flush with the outside of the receptacle. Hold the cylinder in place and remove the key. Insert the silver key and turn it leftward to see if the drawer opens. If it does not, remove the cylinder and reinstall it.

IBM 50-Key Keyboard

Open the box with the 50-Key keyboard. Find the standard USB cable that attaches the printer to the POS. At one end of the cable is a standard USB “A” and the other a unique plug that fits into the keyboard. Plug the cable into the keyboard.

Install the lock cylinder by setting the keyboard on table. Look into the cylinder receptacle to make sure the grove in the insert area is oriented vertically with the wider part at the top. If it is not, use a flat blade screwdriver to line it up. It is important as the lock cylinder fits into the grove. Fully insert the ‘Golden’ key into the lock cylinder. You will see an additional tumbler moved. Insert the cylinder into the keyboard with the teeth of the key upward. The cylinder will seat where it is flush with the outside of the receptacle. Hold the cylinder in place and remove the key. Insert the silver key and turn it leftward to see if the cylinder turns. If it does not, remove the cylinder and reinstall it.

There should also be a package of key overlays that can be used to label the keys as appropriate.

When this is complete keep the “Golden’ key secure as this will open all IBM drawers.

Total system assembly at your customer's location will depend on the physical setup. However, for driver and application loading follow these steps.

Make sure no power cables are plugged in to a wall outlet.

Place the SurePOS Cash Drawer on a table. Route the drawer cable thru the opening in the back cover and the top of the drawer.

Place the SurePOS 350 on the top of the drawer and plug the drawer cable into the port marked CD1.

Place the IBM Touch Flat Panel and stand on the top of the SurePOS 350. Plug the video into POS VGA 1 Port. Plug the Powered USB Cable into a Green USB port marked 12V. Do not power on the Flat Panel.

Plug the Customer Display in VGA 2 Port.

Place the SureMark Printer on the top of the drawer and plug the Red ended Powered USB cable into the only 24V powered USB Port. It is the only Red port on the back of the unit.

Prop the 2x20 external customer display near the SurePOS and plug the black cable into the Powered port marked “C”. It is a 15 to 9 pin RS232 (Female) connector to the left of the cash drawer port.

Plug the Ethernet cable into the port marked Ethernet.

Plug the 50-Key keyboard cable into the bottom PC USB port, just to the right of Video port 2.

You are now ready to power up the unit.

Powering on the SurePOS

The following is a picture of the front of the IBM 350

Figure 2: IBM 4810-350 Front

Plug the Power cable into the SurePOS and plug it into a wall outlet and press the Off / On button located on the front of the unit in the top right corner.

Look at the power indicator on the IBM Touch Flat Panel. Press the power button to power the unit on. If there is no image on the Flat Panel and if the power LED is not lit or it is orange in color, check the cabling to make sure all connections are tight.

The following is a picture of the front of the SurePoint 4820 Flat Panel.

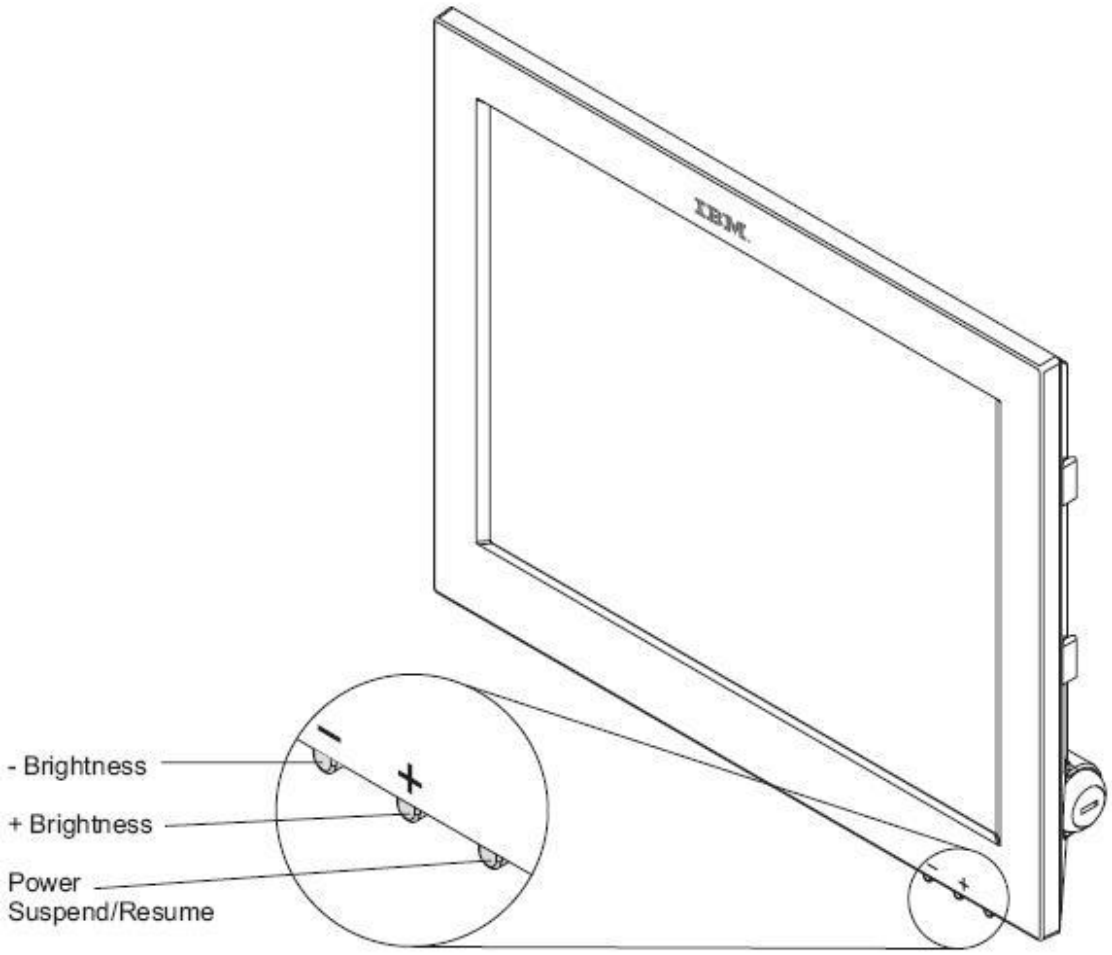


Figure 3: 4820 Flat Panel Controls

At this point you will also hear the printer reset. If it does not, check the cable connections at the printer and the SurePOS 350. There is no Off / On Switch on the printer.

You should also see a single line, like a cursor, on the external 2x20 customer display. If it is not visible, check the cable connections. The port it is plugged into, 'C', is a powered serial port.

At this point, if all devices are up and running you will be taken to the Windows Desktop. The Administrator password that is shipped with the preload is wepos1!

It must be in lower case.

The next step is to load the necessary drivers.

Loading Drivers

The SurePOS 350 (4810-350) come preloaded with POSReady 7 and all the component level drivers that are required for it. There are additional drivers that you need to load. They are:

Printer 4610-2CR

If the Microcode EC level is less then 07.01 then the firmware of the printer should be updated.

You will need to replace “aip46v4.hex” that is located in c:\pos\firmware folder by overwriting the file that is presently there. The next time the POST is rebooted the driver will update the firmware printer. This typically takes a few minutes. You can check on the status of update in c:\pos\log\aipfld46.log. DO NOT TURN OFF PRINTER WHEN UPDATE IS IN PROGRESS. Use the latest Printer firmware available on the StoreNext website.

Printer EMULATION should also be set to NATIVE MODE. Press the paper feed button while cycling power to printer to get into diagnostic mode and follow instructions on receipt printout. For more information refer to the 4610 User guide.

ELO Touch

The Windows OS comes loaded with an ELO compatible driver, but we recommend loading the driver that is tuned for the IBM 4820 Flat Panel. The location of the latest touch driver is provided on the StoreNext Website. If beep on touch is needed or the screen needs calibrated, it will be necessary to install the ELO drivers. Currently v5.3.3 ELO Touch Driver is certified. Lower versions have been known to cause Blue Screens.

Dual Monitor

Go to the Control Panel and select Display and then Settings. You should see two displays present. Click on #2 and make sure the checkbox labeled “Extend my windows desktop onto this monitor” is checked. Set the resolution for the Secondary video display to 800 x 600. You should now have a second video display.

PCI Serial Port Driver

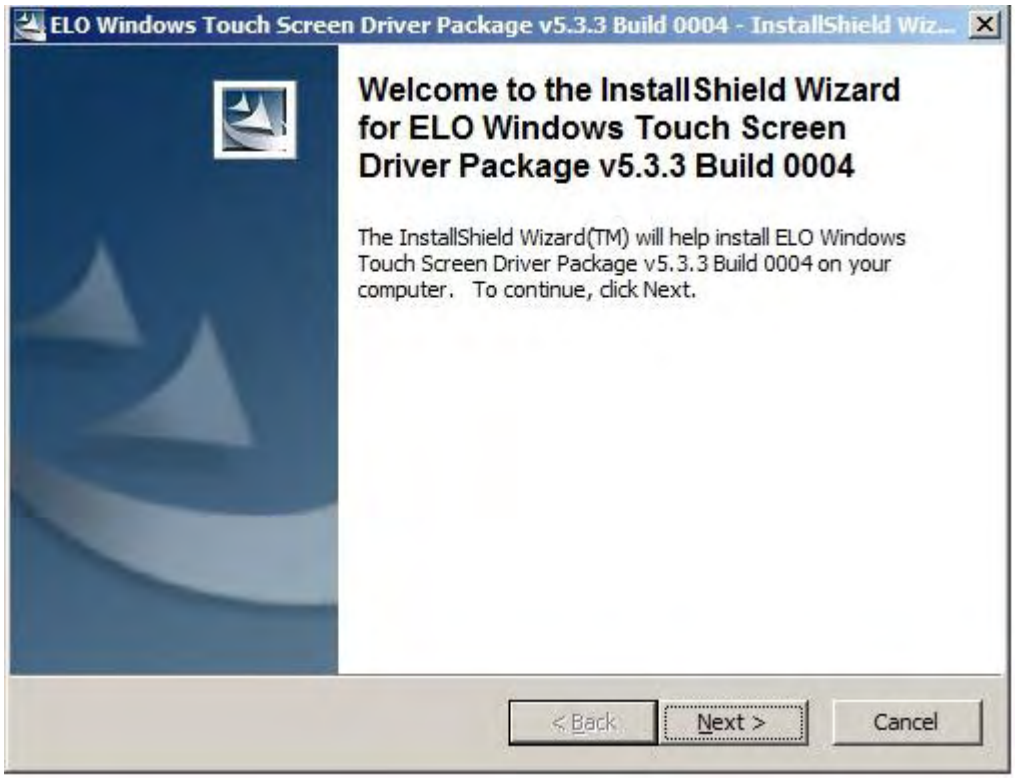
This driver is required to enable all the serial ports above COM2. It is already loaded. Look in the Device Manager to make sure COM1 – COM6 are enabled (Serial A – F).

ELO Touch Driver

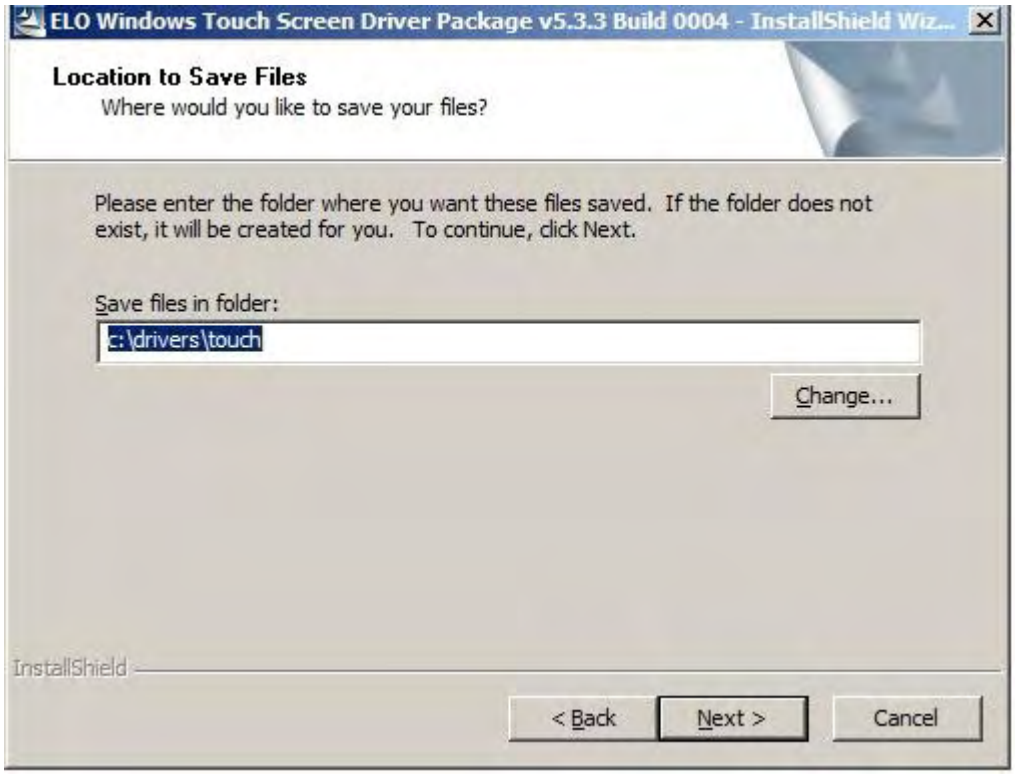
The IBM POSReady 7 image already contains a driver for the touch screen so installing the ELO touch driver can be considered to be optional.

After obtaining the latest, certified ELO driver, i.e., irtouchdriverv050303b4.exe, run the exe in Administrator mode. This install should create a driver installation in C:\driver\touch\32Bit.

Click Next at this screen.



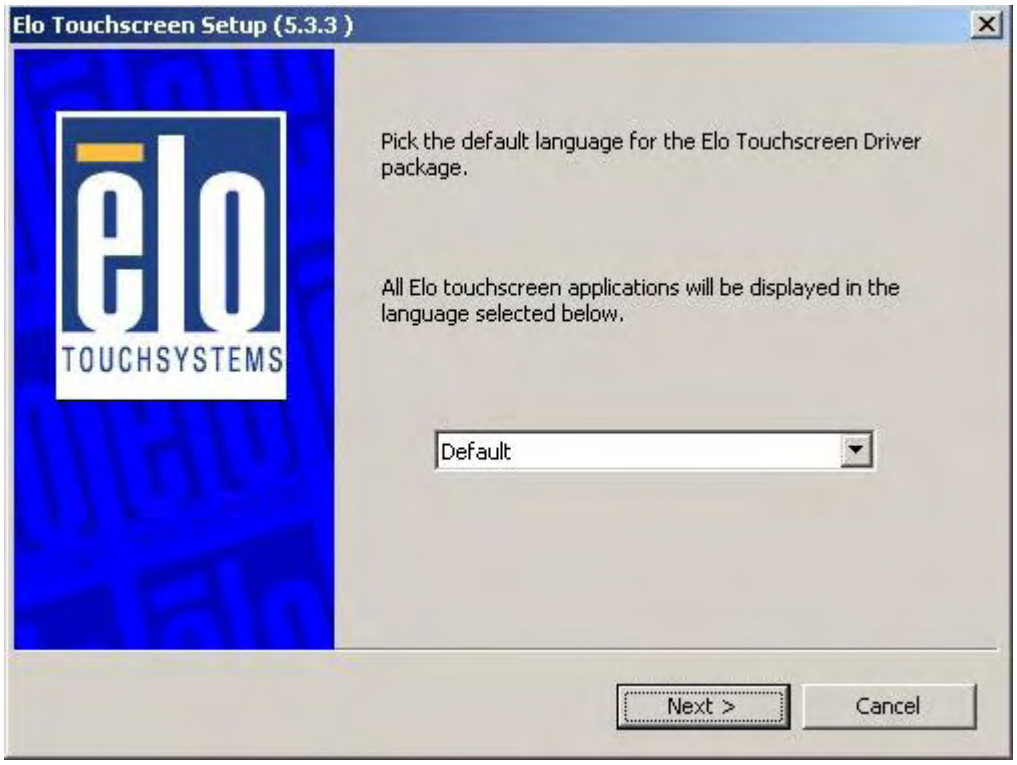
Click Next at this screen.



Click Finish at this screen.

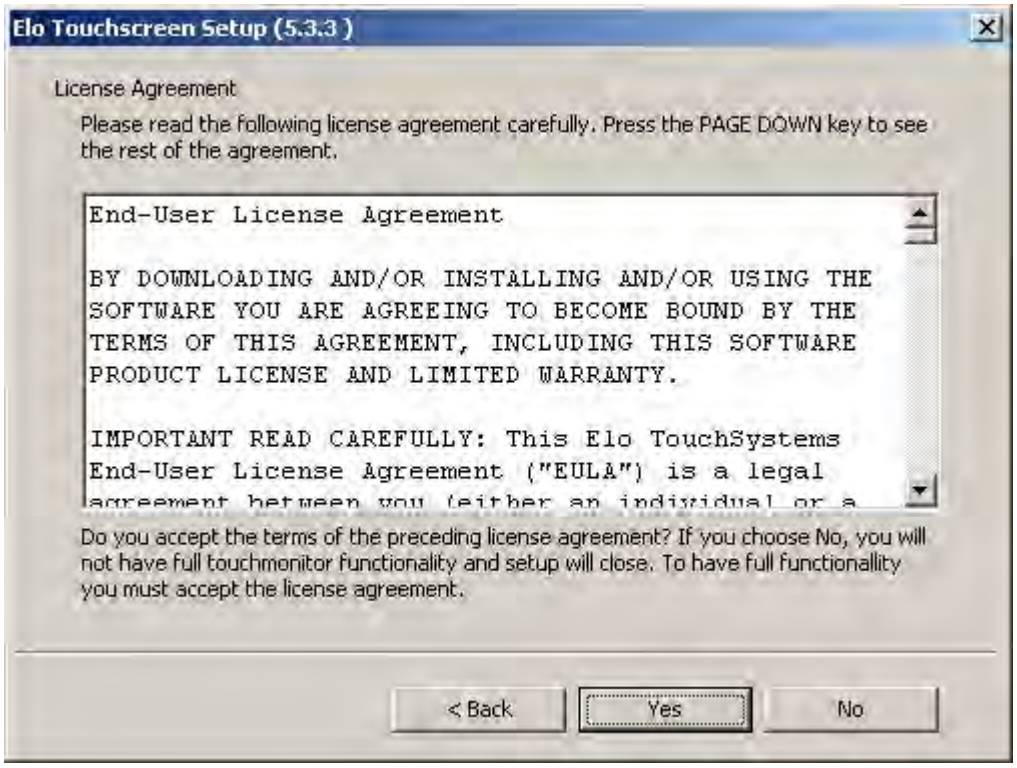
Right click on C:\driver\touch\32Bit\EloSetup.exe and select Run as administrator.

Click Next at this screen.



Check Install USB Touchscreen Drivers. Click Next.

Click Yes at this screen.

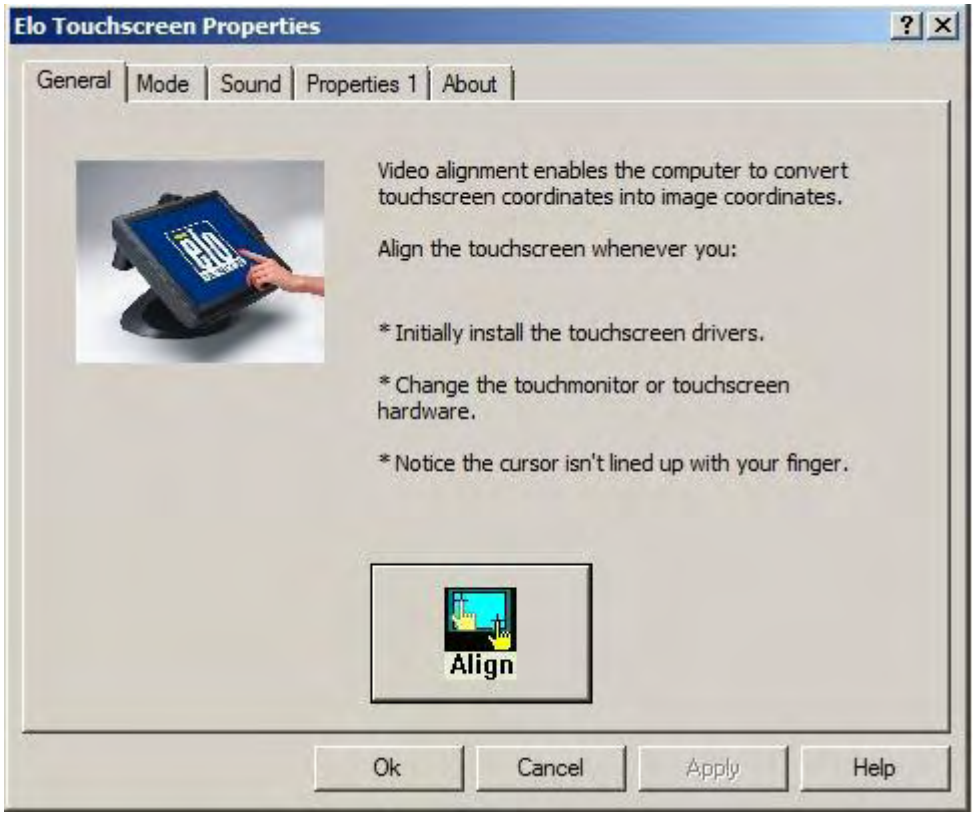


Click Finish at this screen.

An error Message No Touch screen found may occur. If so, reboot. The touch screen should be detected after the reboot.

After the reboot go into Control Panel and click ELO touch.

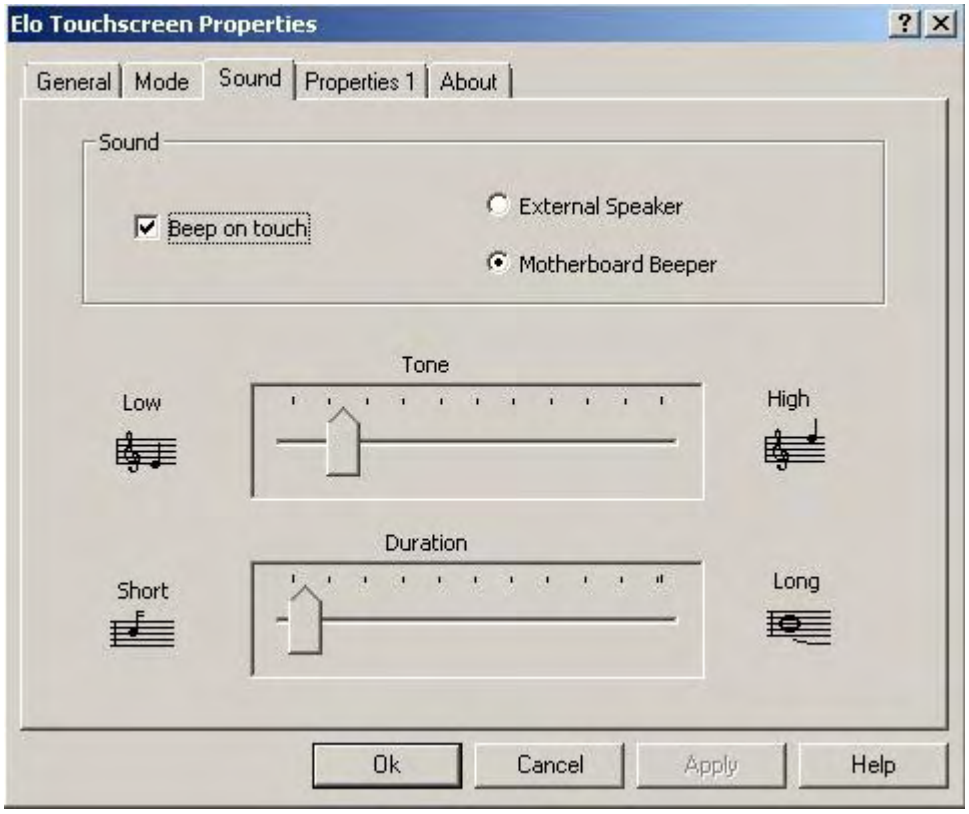
Click the Align button at this screen.



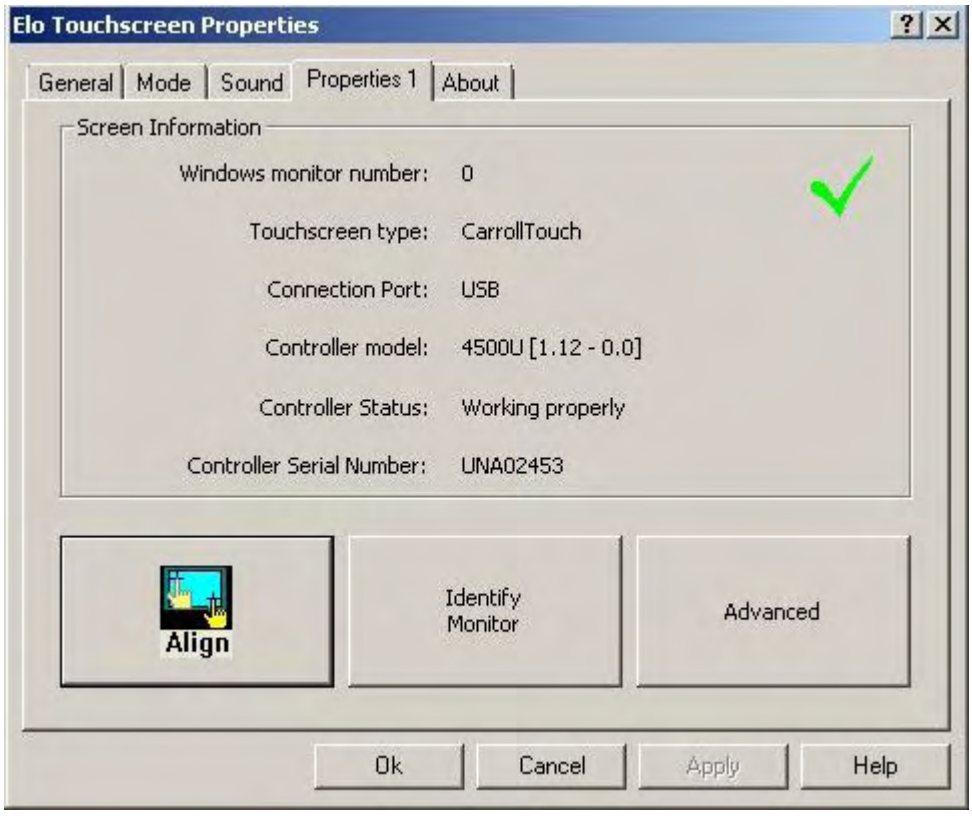
Don’t do anything else until the alignment task completes.

Click the Sound tab and turn on Beep on touch and Motherboard Beeper.

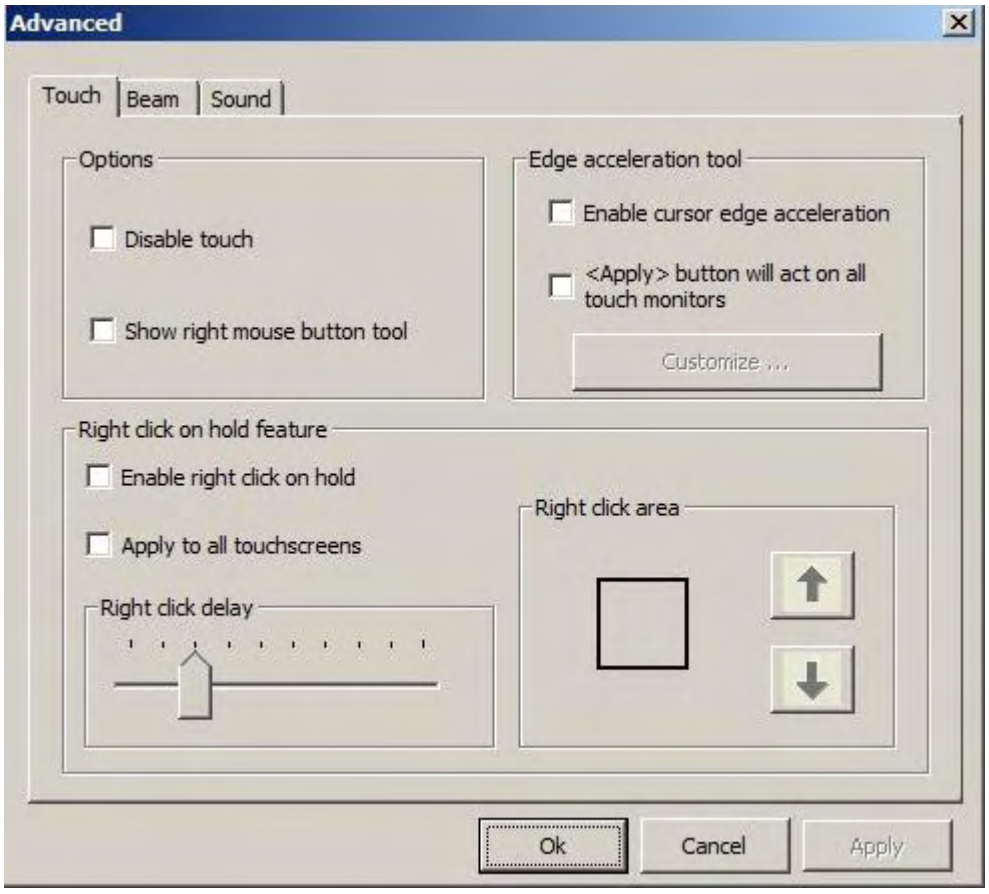
Click on the Properties 1 tab.



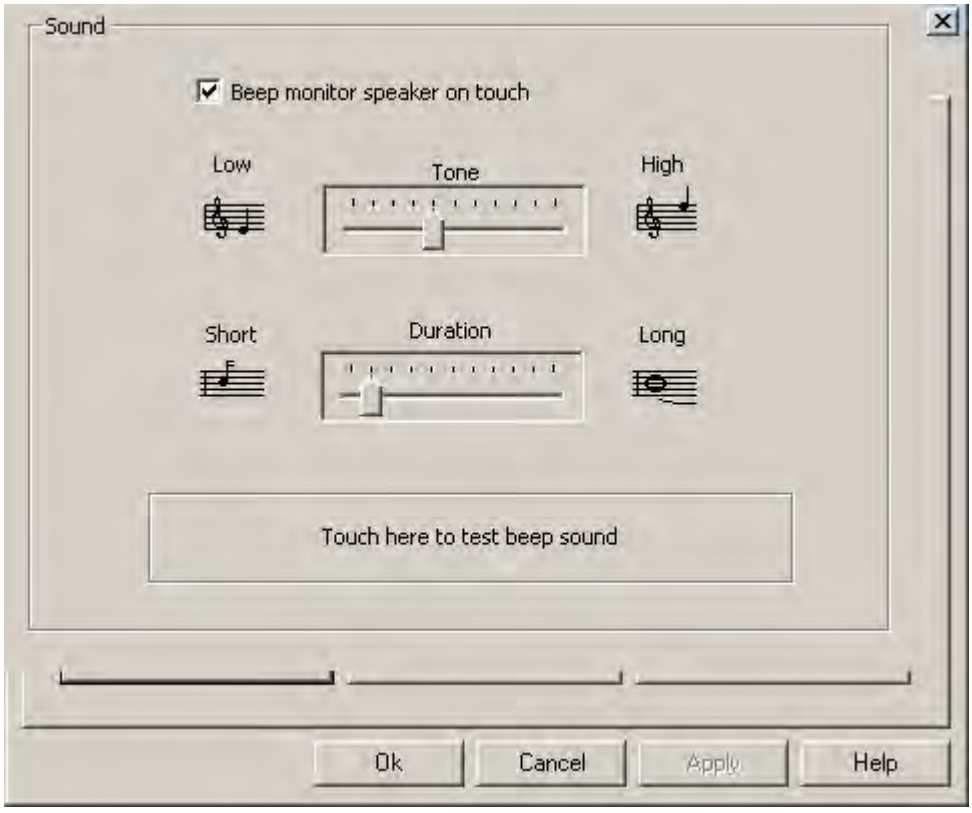
Click on the Advanced button.



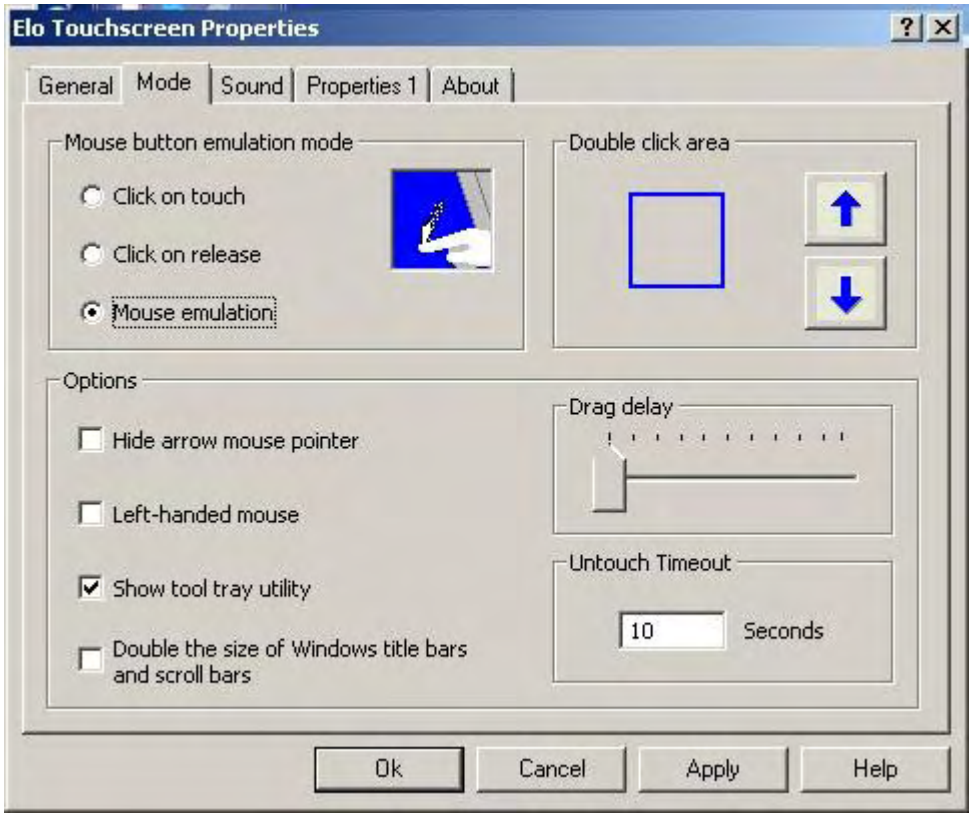
Click on the Sound tab.



Turn on Beep monitor speaker on touch and click Ok.



At the Elo Touchscreen Properties screen click the Mode tab and turn on the Mouse emulation option.



Click Apply.

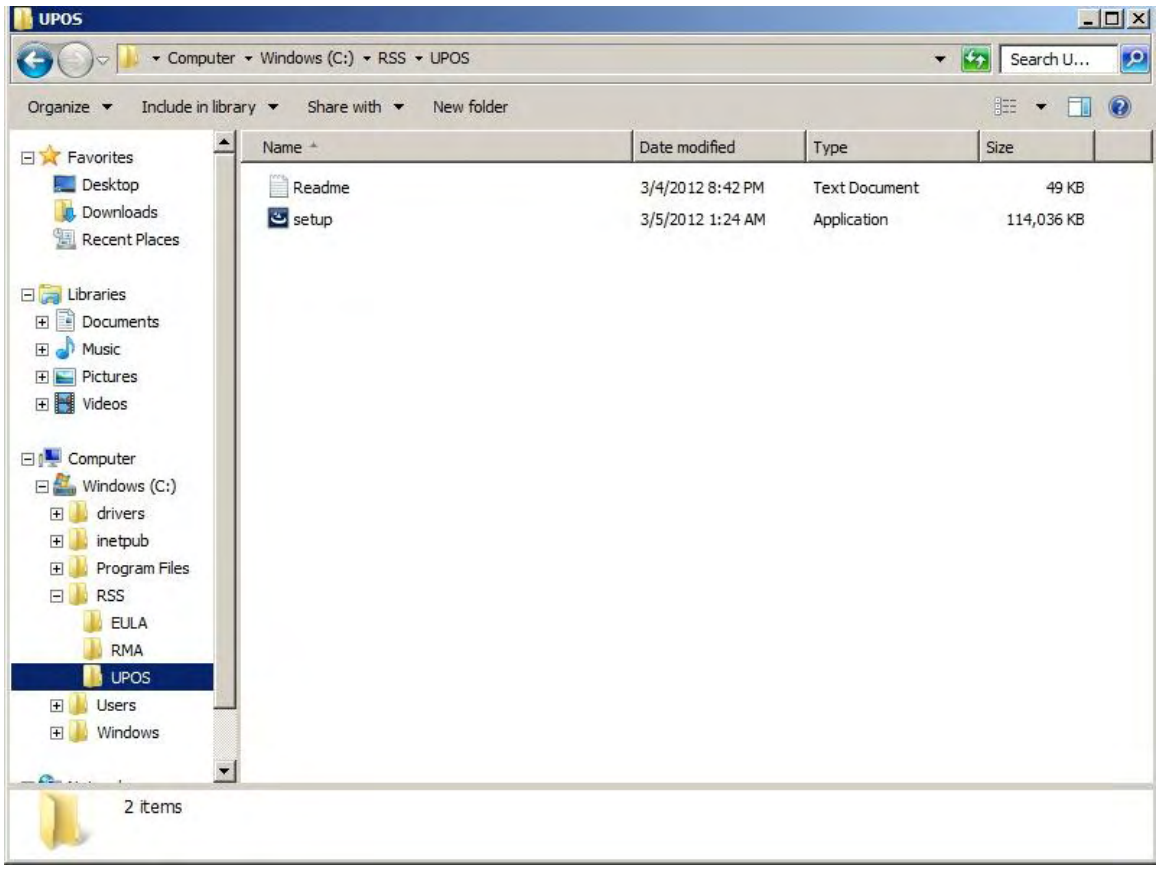
Click Ok.

OPOS

The IBM UPOS install is located on the StoreNext Website.

If the UPOS that comes preloaded on the hard drive is older than the one posted on the StoreNext Website, then copy all IBM Drivers and Installs

from the StoreNext Website and place in C:\drivers on the IBM SurePOS register. Run the setup and follow the screen shots that are following. The preinstalled UPOS install is located as follows:



OPOS Installation - Screen Shots

Launch the setup wizard

The following screen appears preparing the installation

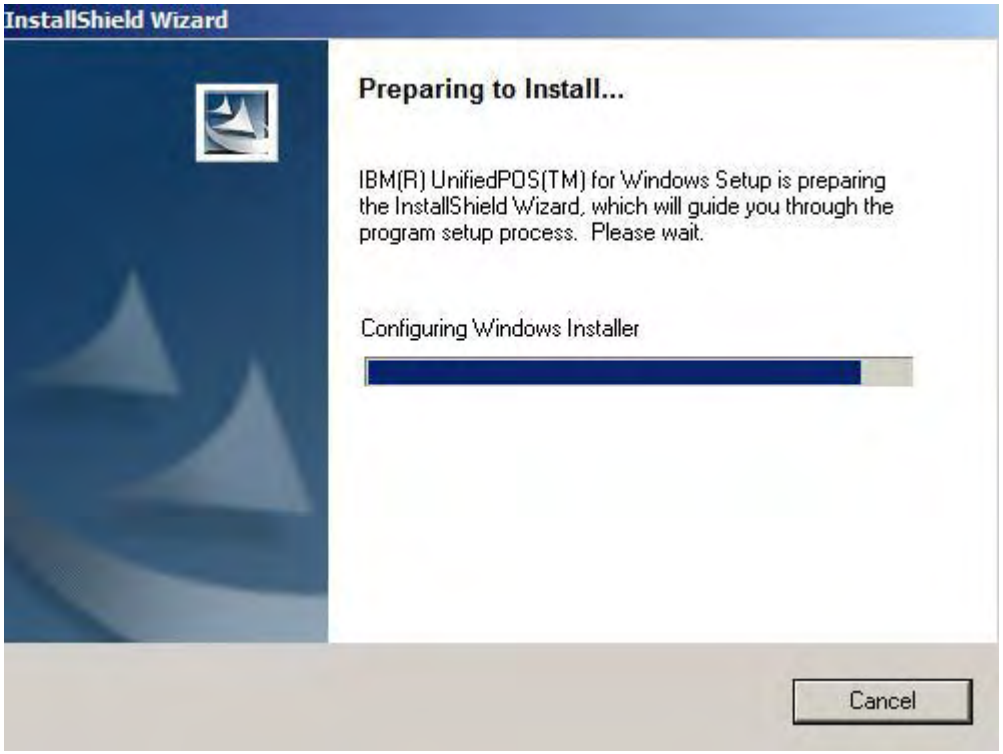


Figure 4: Launching UPOS Install

Click on **Next >** when the following appears.

Figure 5: UPOS Install Welcome

Accept the license agreement and click on **Next >**

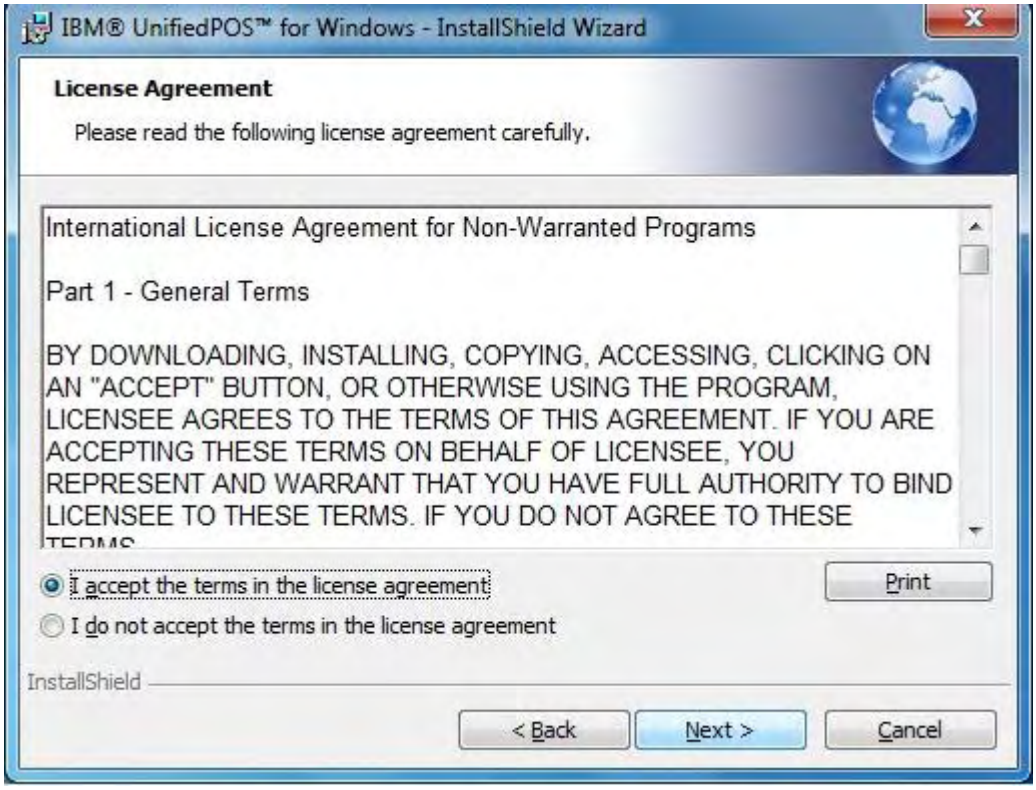


Figure 6: UPOS License Agreement

Leave the Install defaulted to C:\POS\ and click on **Next >**

Leave the Install defaulted to C:\POS\ and click on **Next >**

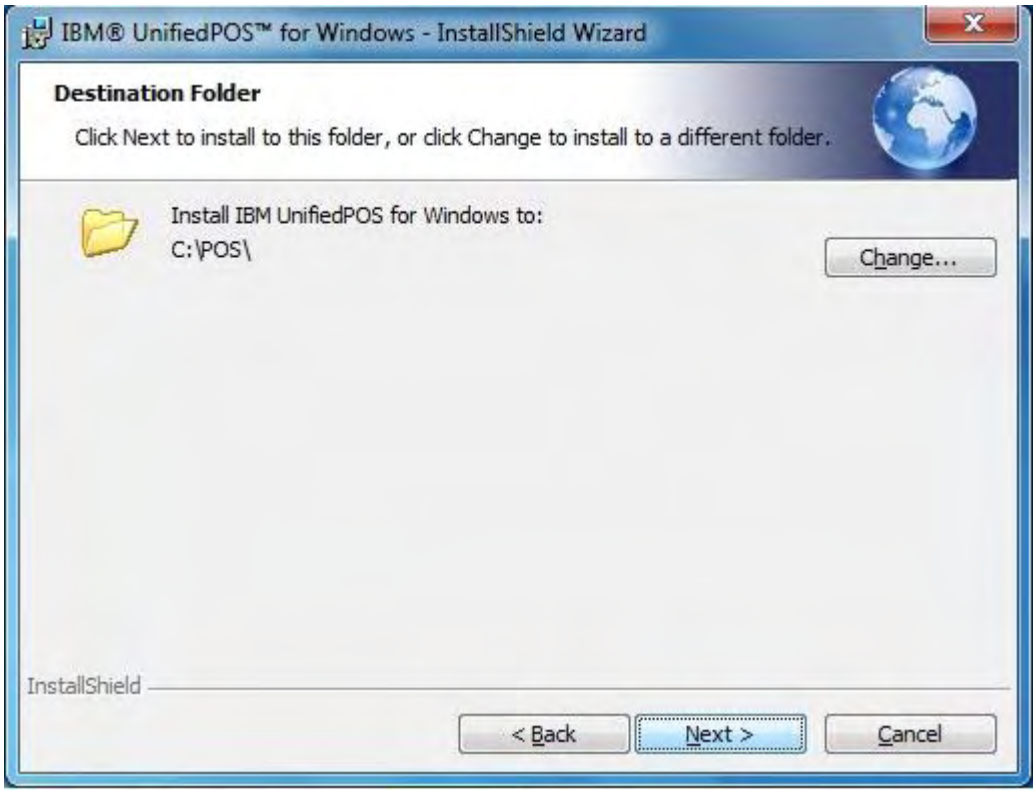


Figure 7: UPOS Customer Information Screen

The next screen will allow you to pick the installation type. Check only OPOS Device Support and when you do the screen will expand to include the products and other checkboxes. Do not check the check box labeled "Check to Install Java and JCOMM." If your printer firmware needs updated and the correct file is in place, also check the Update Printer Firmware Files option.

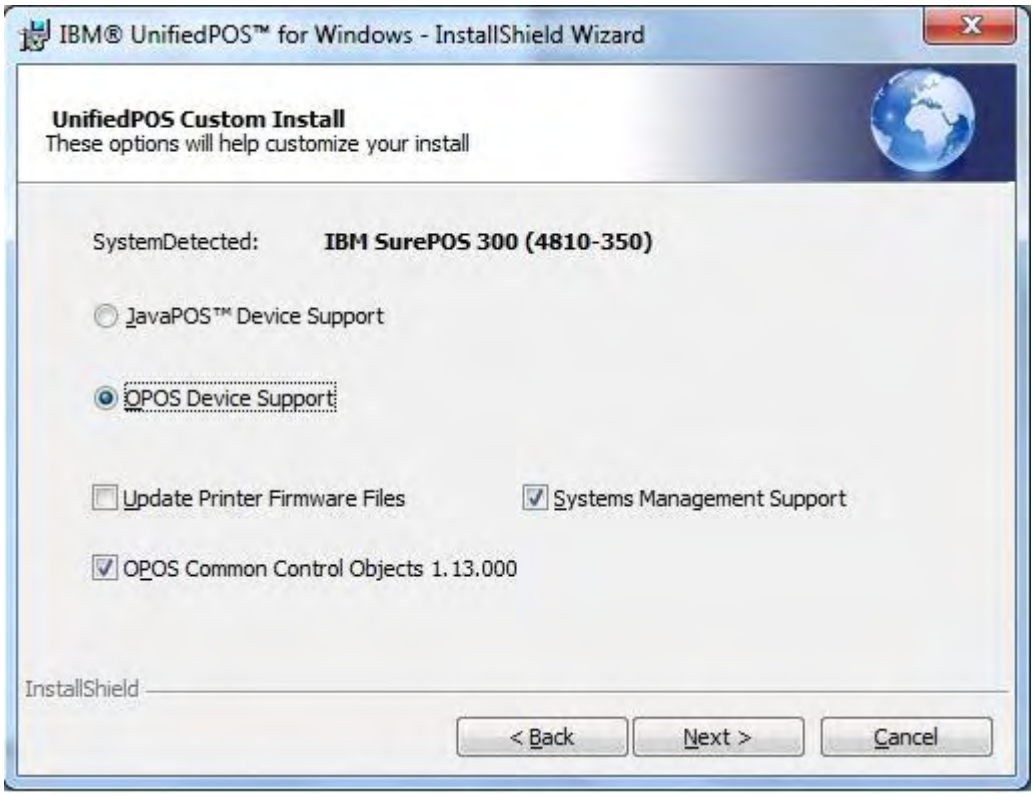


Figure 8: UPOS Installation Type

You do not have an IBM Alphanumeric Point of Sale Keyboard so make sure the radio button beside No is selected, then click on **Next >**

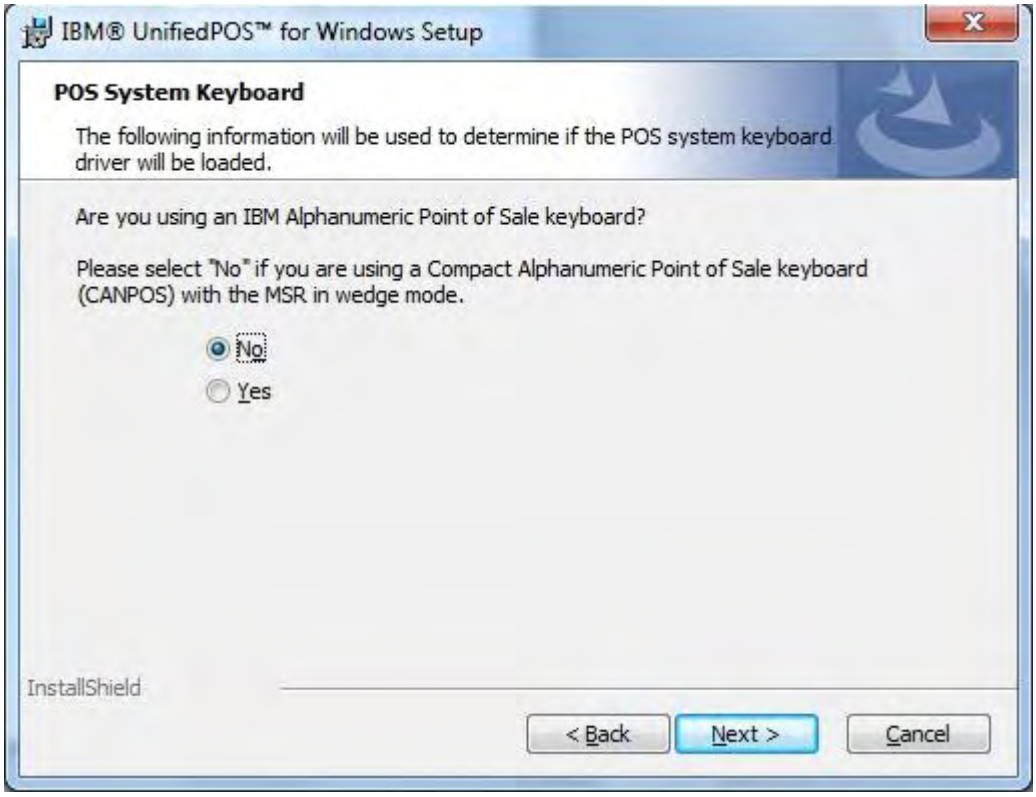


Figure 9: OPOS System Keyboard Screen

Click **Install** to perform the OPOS installation.

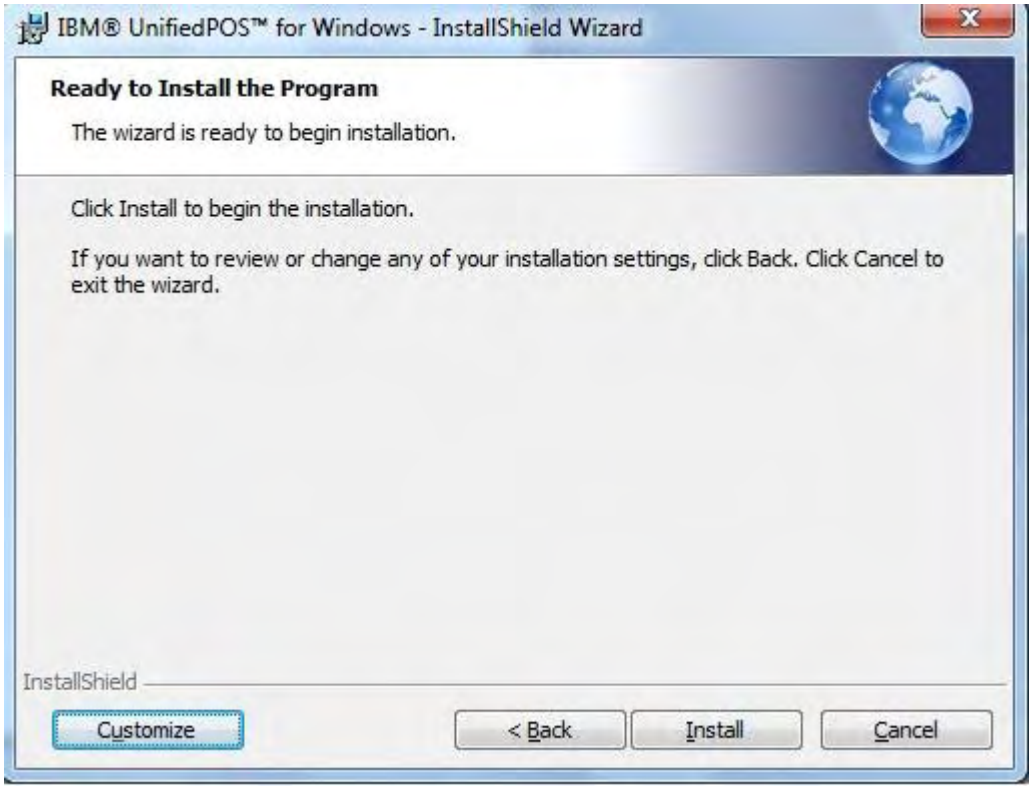


Figure 10 OPOS Install

As the installation progresses there is a status indicator present.

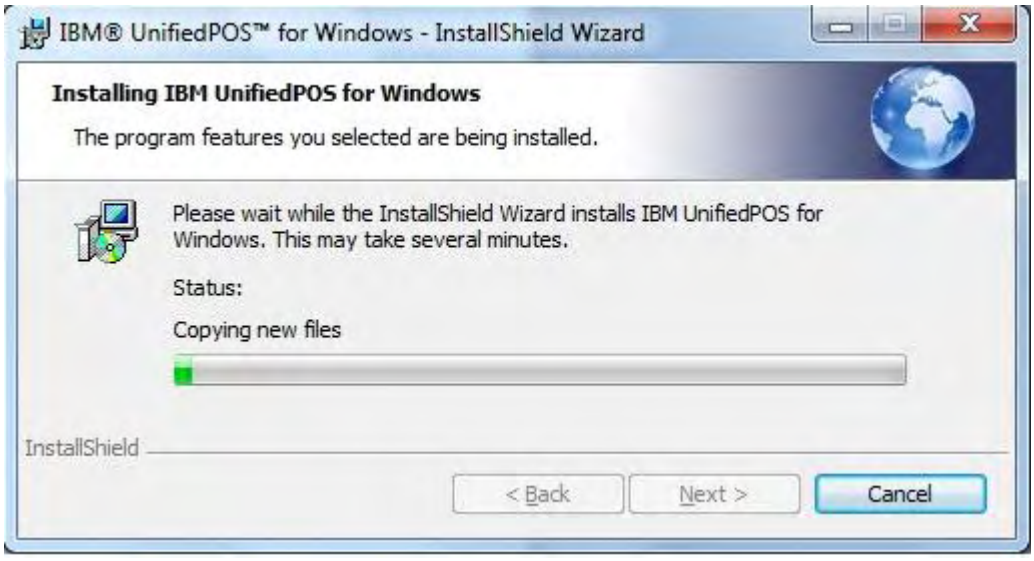


Figure 12: OPOS Status

During this phase of the install the following screen appears:

Click the check box to Always trust…. And click Install.

When the installation is complete, click **Finish**

Figure 13: OPOS Install Completion

Before responding to the RESTART message do the following:

In Services, set IBM POS CONTROL Service from MANUAL to AUTOMATIC.

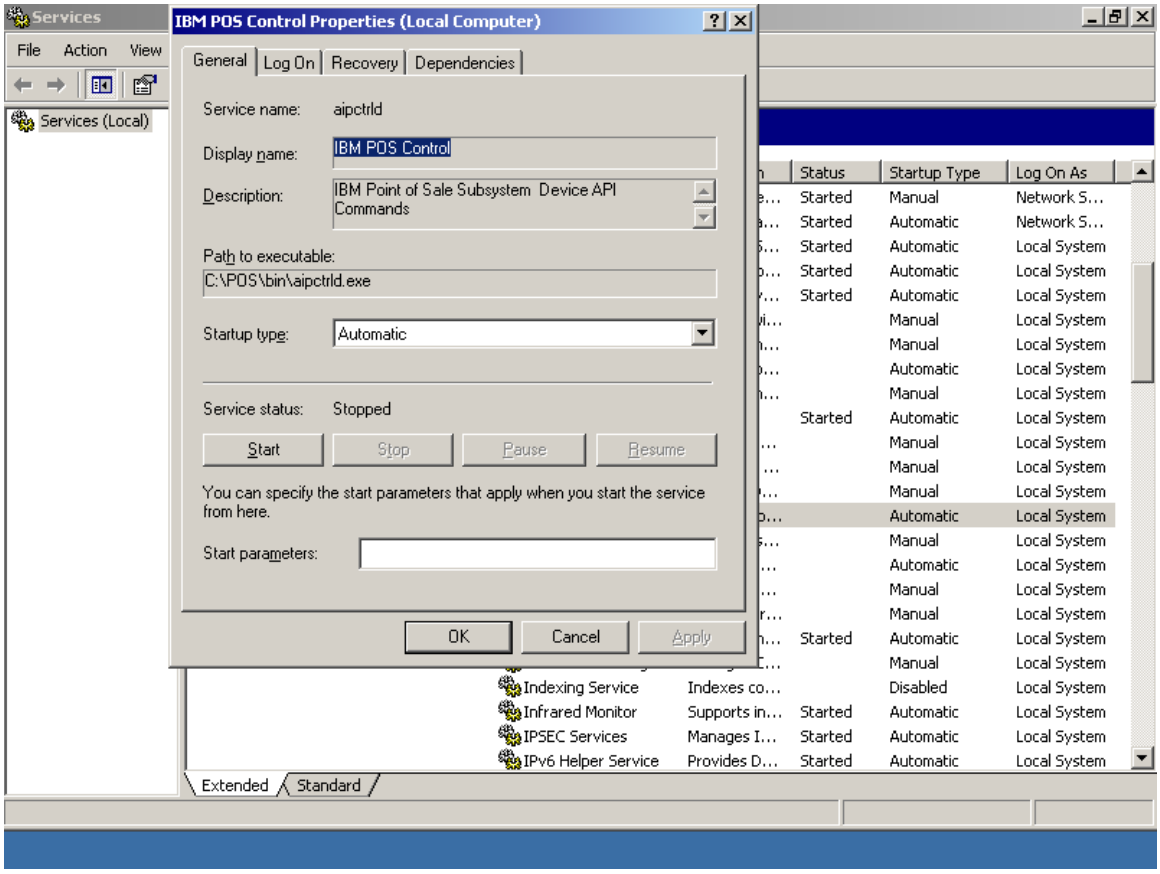


Figure 14: Set IBM POS Control Service from Manual to Automatic

You will need to reboot the SurePOS 350 at this time, so click **Yes**

Figure 15: OPOS Reboot

After the SurePOS 350 has rebooted and is at the Windows Desktop you may see a window appear indicating the printer firmware is being updated. Both lights on the top of the printer will flash. Please DO NOT stop this action and DO NOT turn the system off. The printer firmware, including the boot sector, is being updated. Shutting it down too soon may damage the printer. This operation may take up to ten minutes. The message will disappear and the printer will reset and the blinking lights will now remain lit constantly.

Configuring OPOS - Screen Shots

Launch the Configuration Utility

After you have loaded OPOS you must configure the devices so the application will recognize them and be able to use them. The following steps should be followed.

Click on “Start” in the task bar, then “All Programs”, then “IBM POSUnified for Windows” then “IBM OLE for Retail Point of Sale” then “Configuration Utility”. The following Screen will appear. Some items may already show up as on-line. However most should be in black and show up as Available. Normally the devices that are “seen” by this utility will show with a red block and be Online. Each device that is intended to be used by the POS will need configured. If a device is in red and shows Online but is not used, i.e., a Keylock, the don’t configure it. The following screen shots were made for USB devices. If a RS-232 device is attached the setup screen for that device will be different than shown in this document.

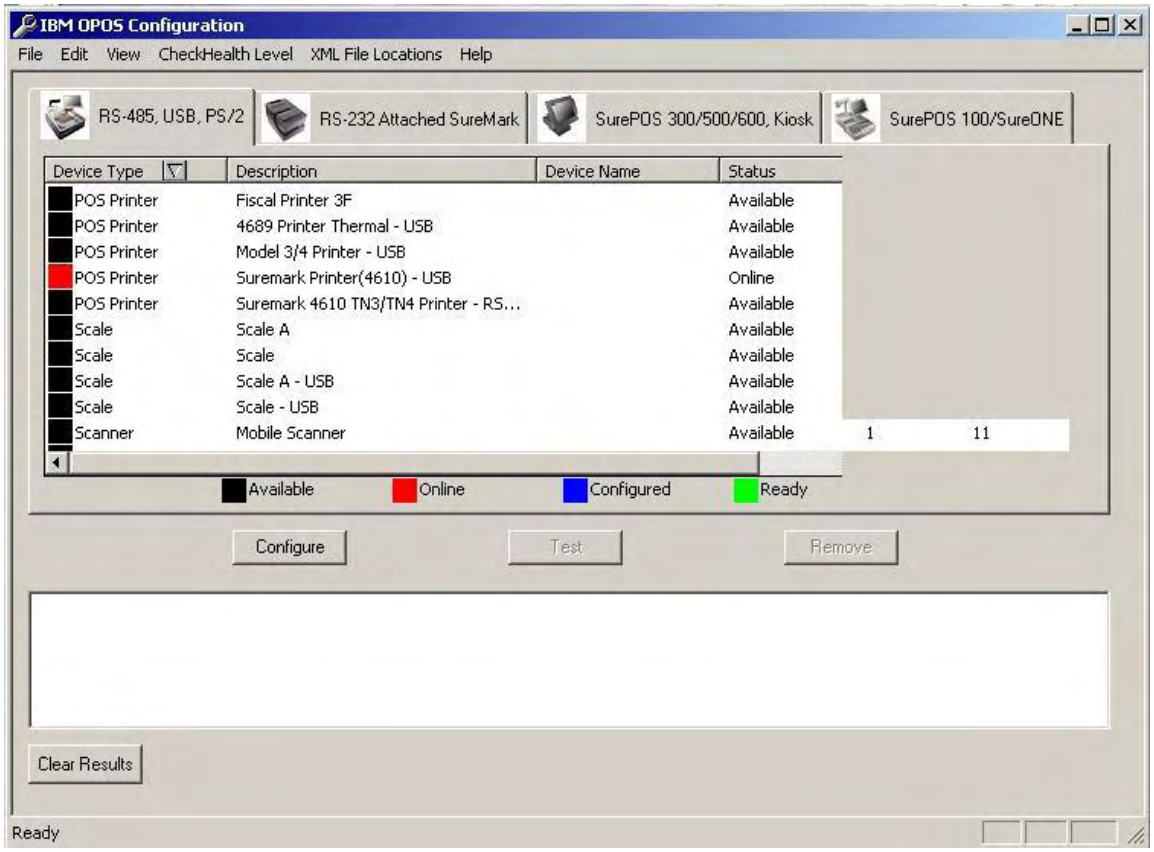


Figure 16: Initial OPOS Configuration Screen

Find the correct printer entry and highlight it. Click on Configure. A popup will display so you can name the printer. Accept the other defaults.

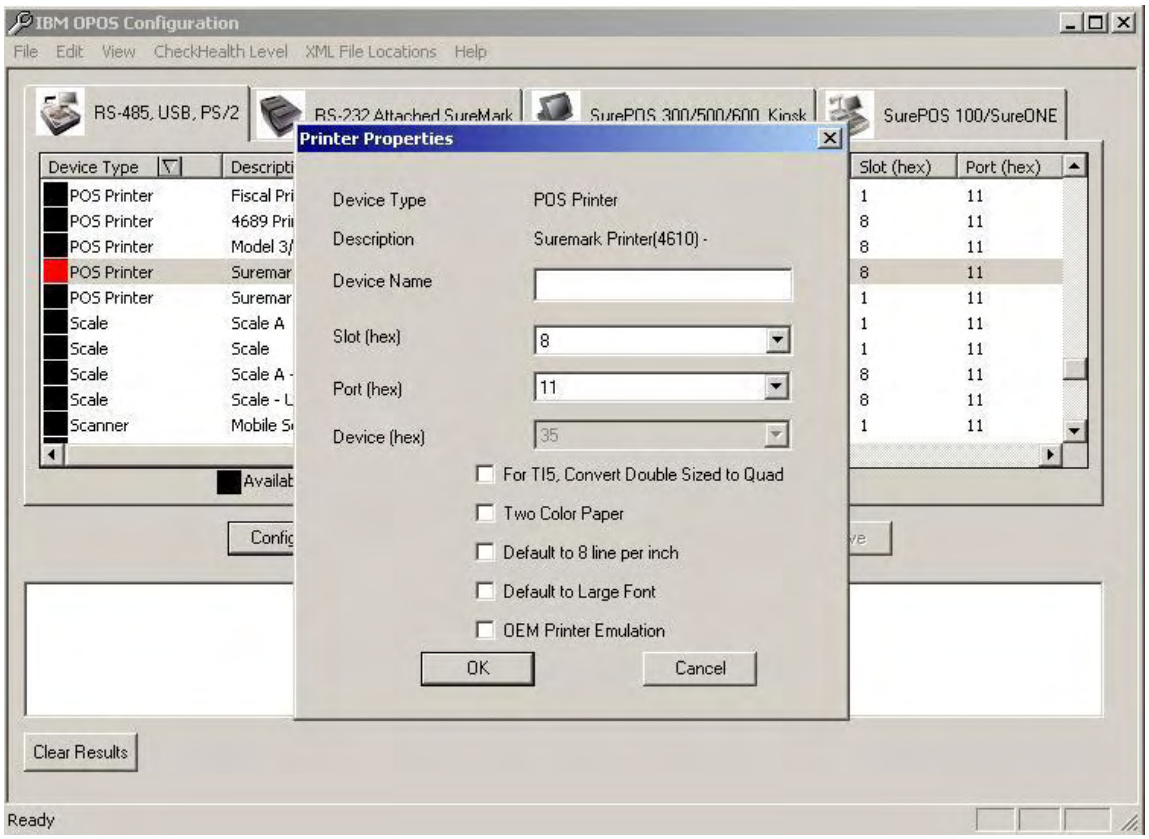


Figure 17: Configuring the Printer under the USB Tab

Type the name of the printer as seen below and click OK.

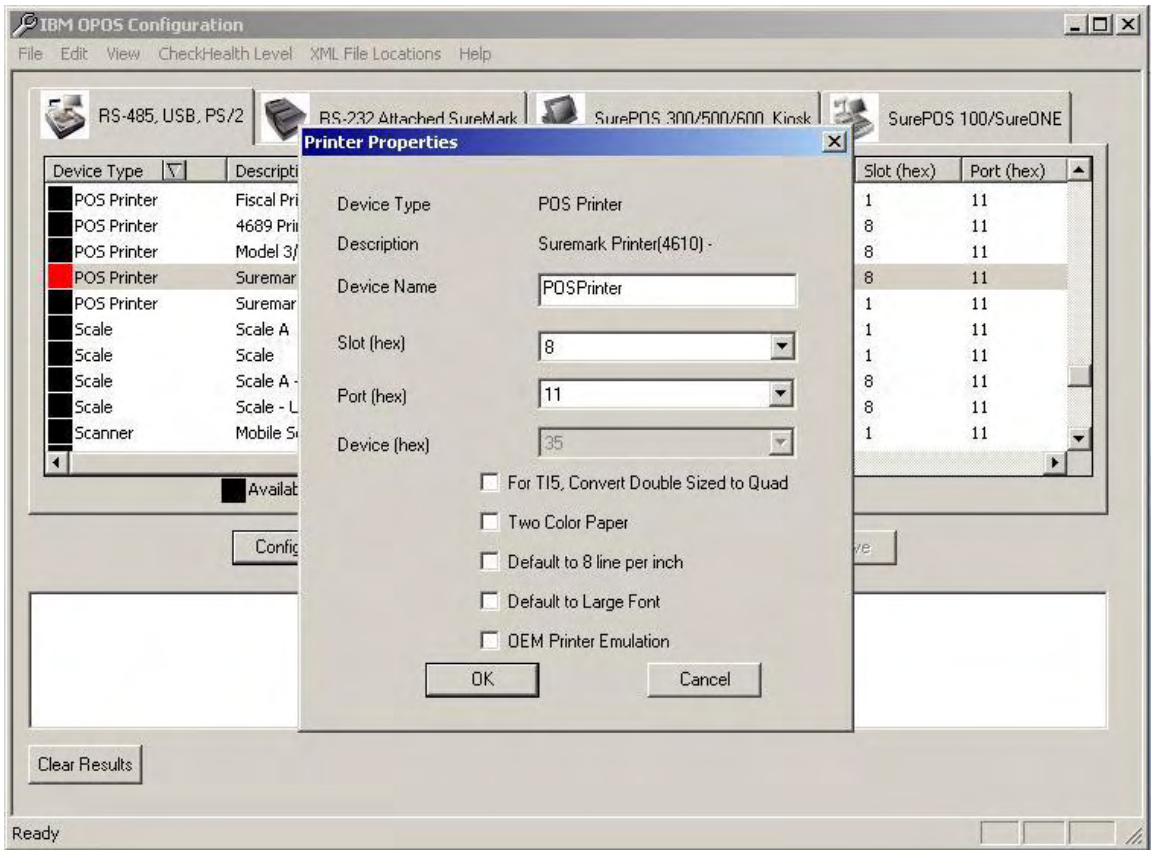


Figure 18: Naming the Printer

The configured printer will show up on the list and in green.

Highlight the MICR entry associated with the printer. The naming popup will show again.

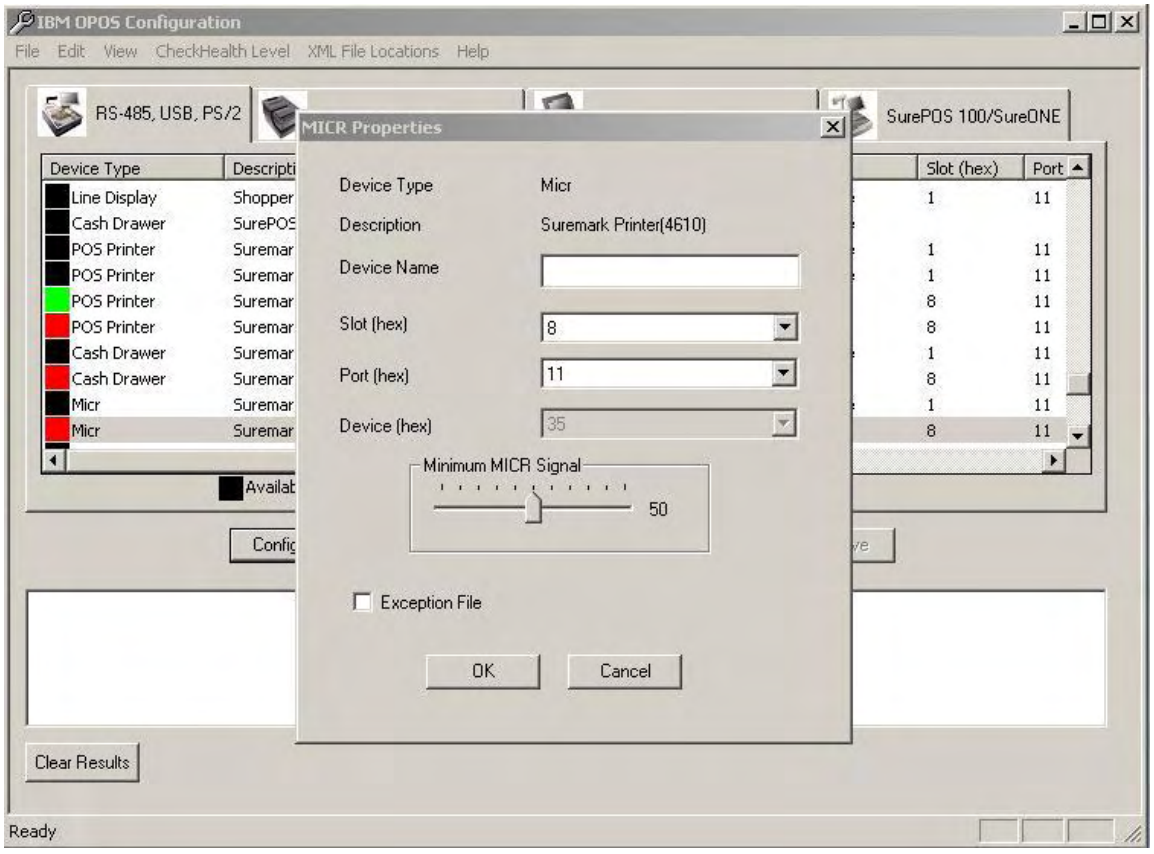


Figure 19: Configuring the MICR

Name the MICR and check the checkbox Exception File, then click on OK.

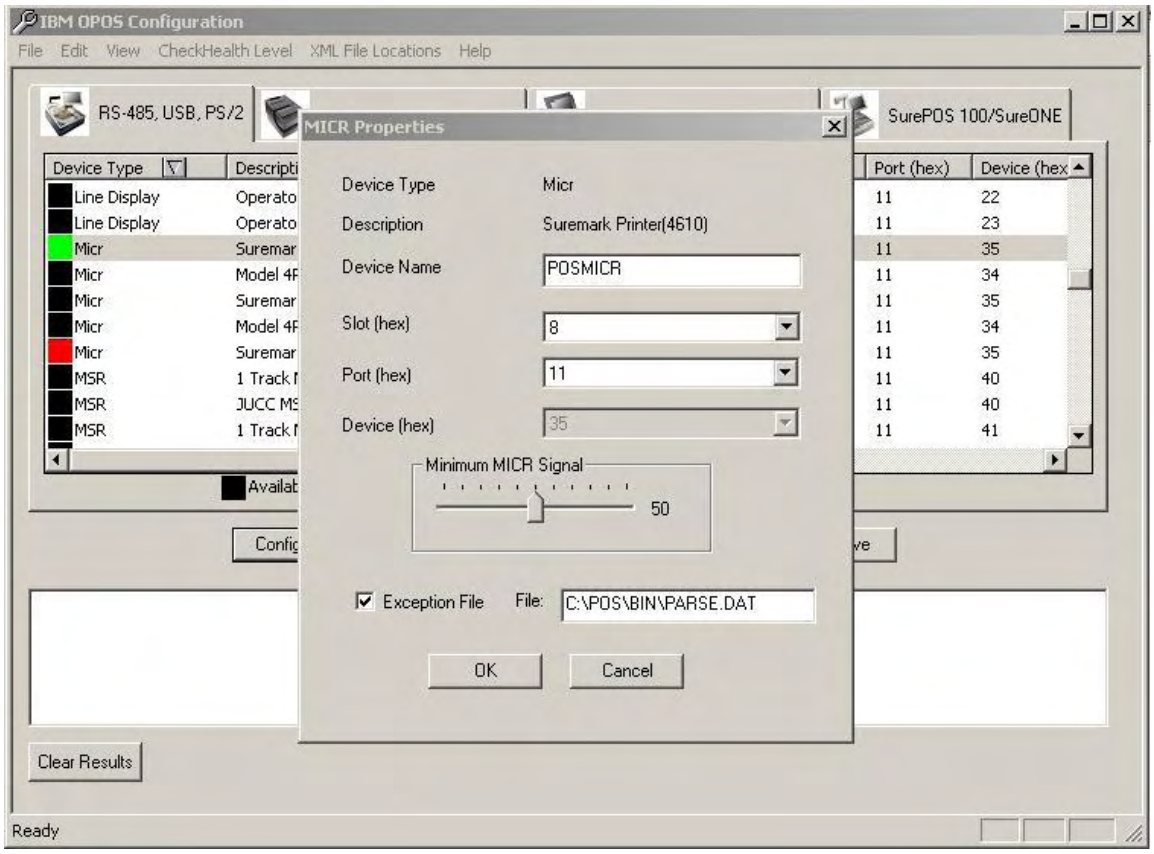


Figure 20: Naming the MICR

Click on the entry labeled POS Keyboard – A USB to configure the 50-Key Keyboard or 32 Key Keyboard. **Enter Device Name POSKybd. Check the Map Pos Keys checkbox. Click OK.**

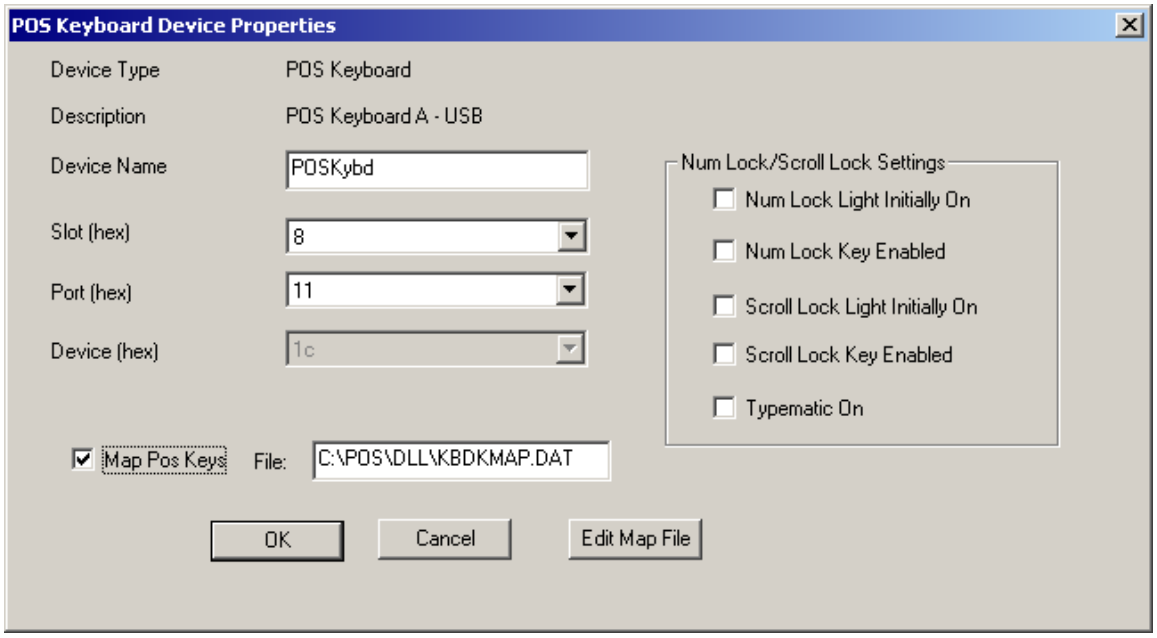


Figure 21: Configuring the 50-Key or 32-Key Keyboard

Select the entry labeled SurePOS 700 Cash Drawer and click on Configure. The naming popup will appear.

Figure 22: Configuring the Cash Drawer

Name the drawer as noted here and click on OK.

Figure 23: Naming the Cash Drawer

Click on the entry identified as the Line Display. The naming popup will appear.

Figure 24: Configuring the Line Display

Figure 25: Naming the Line Display

Click on the item identified as the Tone Indicator and then click on Configure. The naming popup will appear.

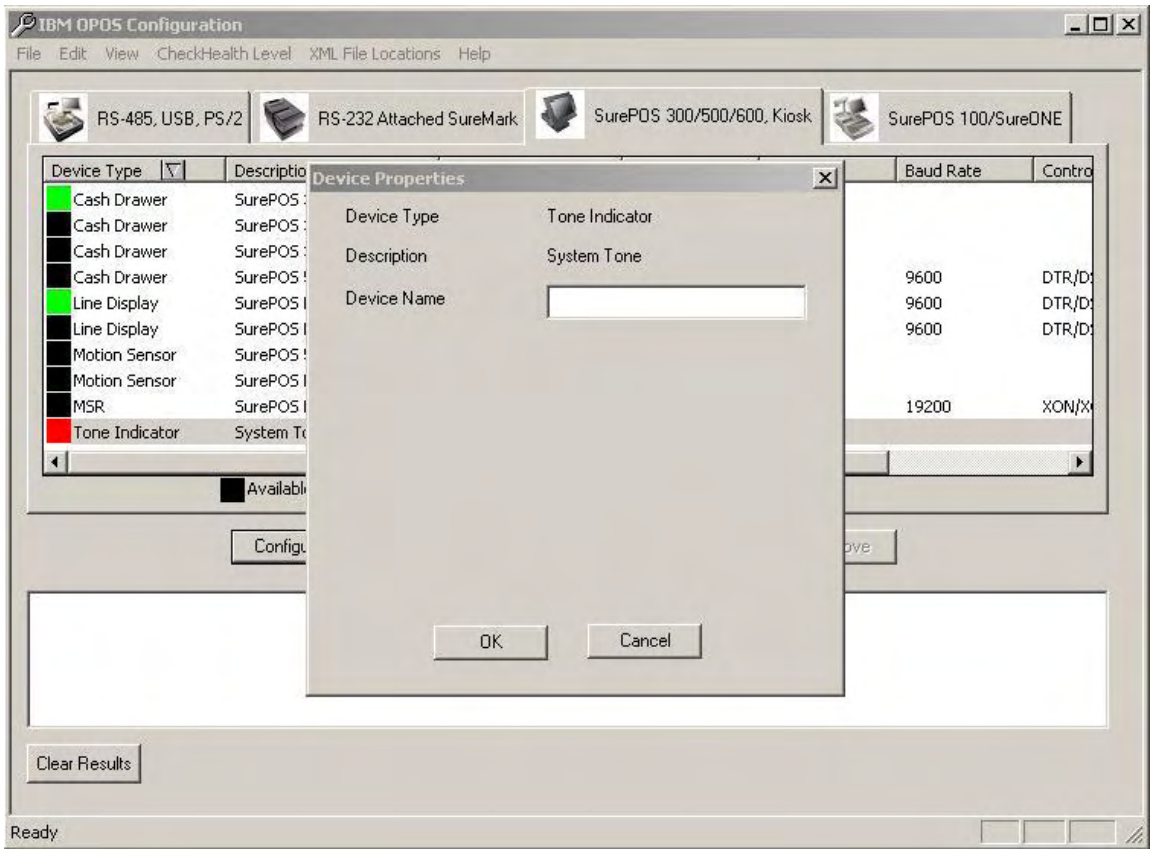


Figure 26: Configuring the System Tone

Name the System Tone entry as identified below and click on OK.

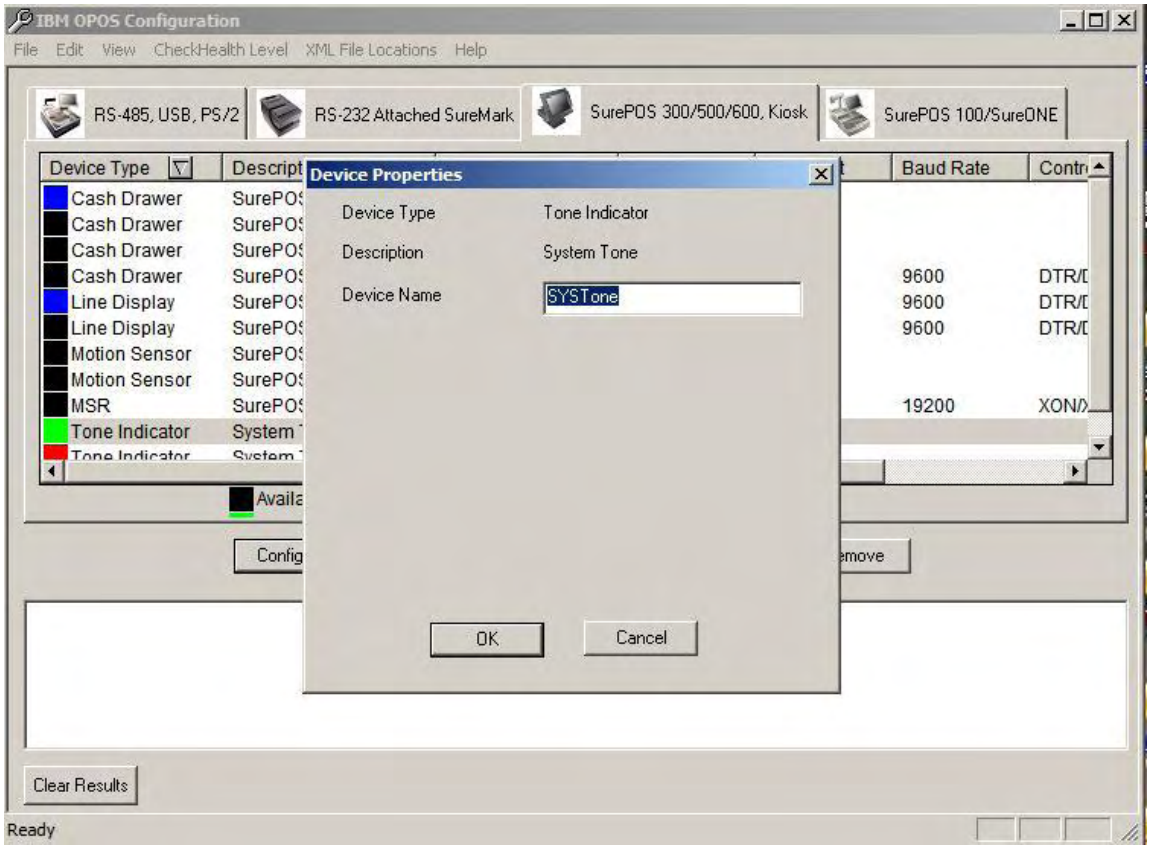


Figure 27: Naming the System Tone

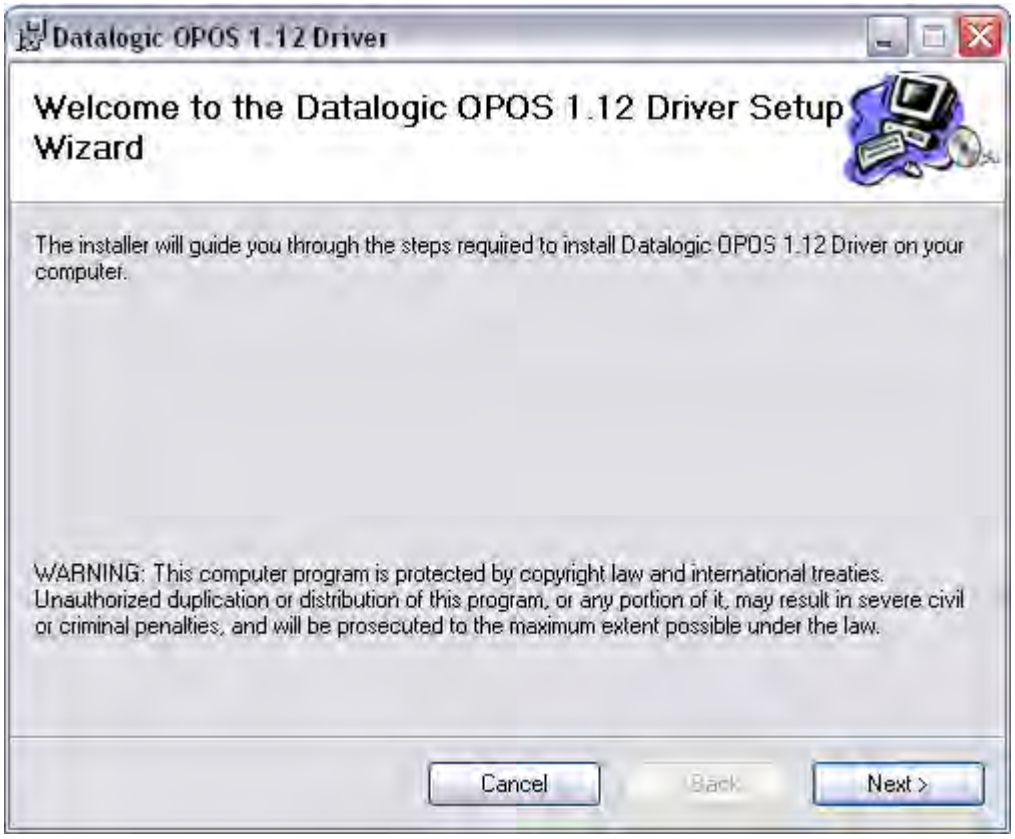
At this point OPOS is completely configured for the IBM devices that are attached. Reboot the system. During the reboot, after the Windows Desktop appears a message may be displayed, indicating the printer firmware is being updated. If this message does appear, both lights on the printer will flash together. Please follow the instructions in this message and DO NOT interrupt the update. When it is complete the message will disappear and the printer will reset. The message that appears is:

Figure 28: Firmware Being Updated at Boot Time

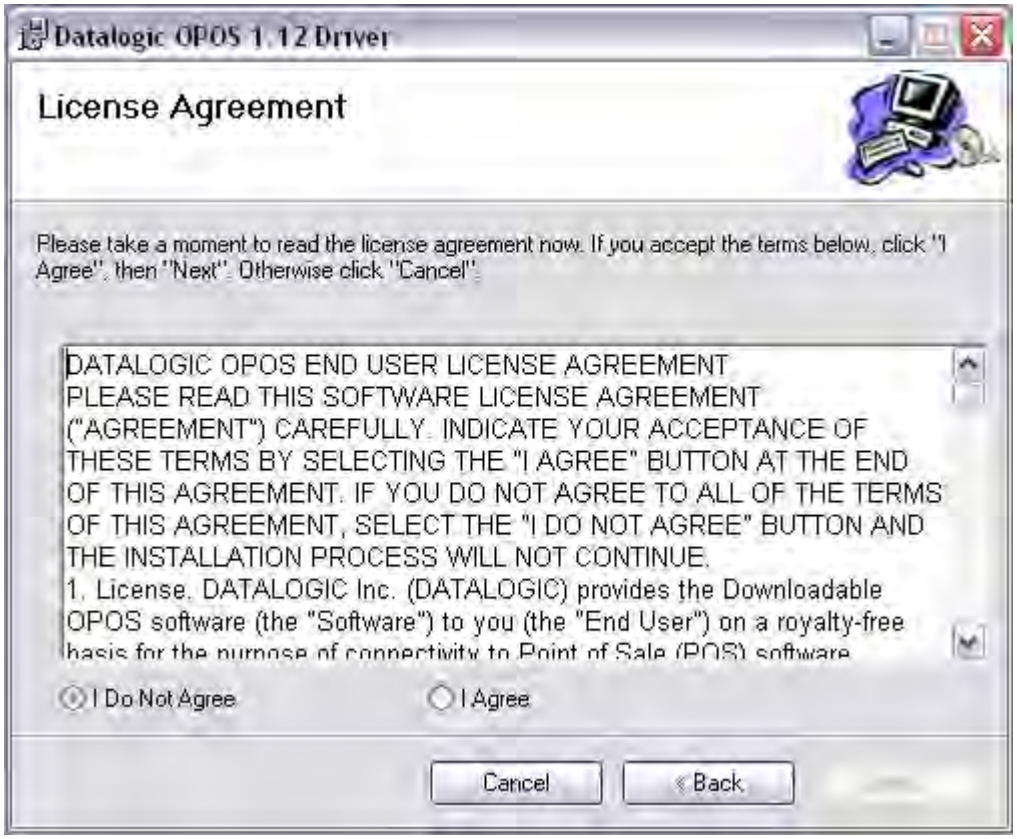
DataLogic USB OPOS Driver Installation

Use the following steps to load the DataLogic USB Driver.

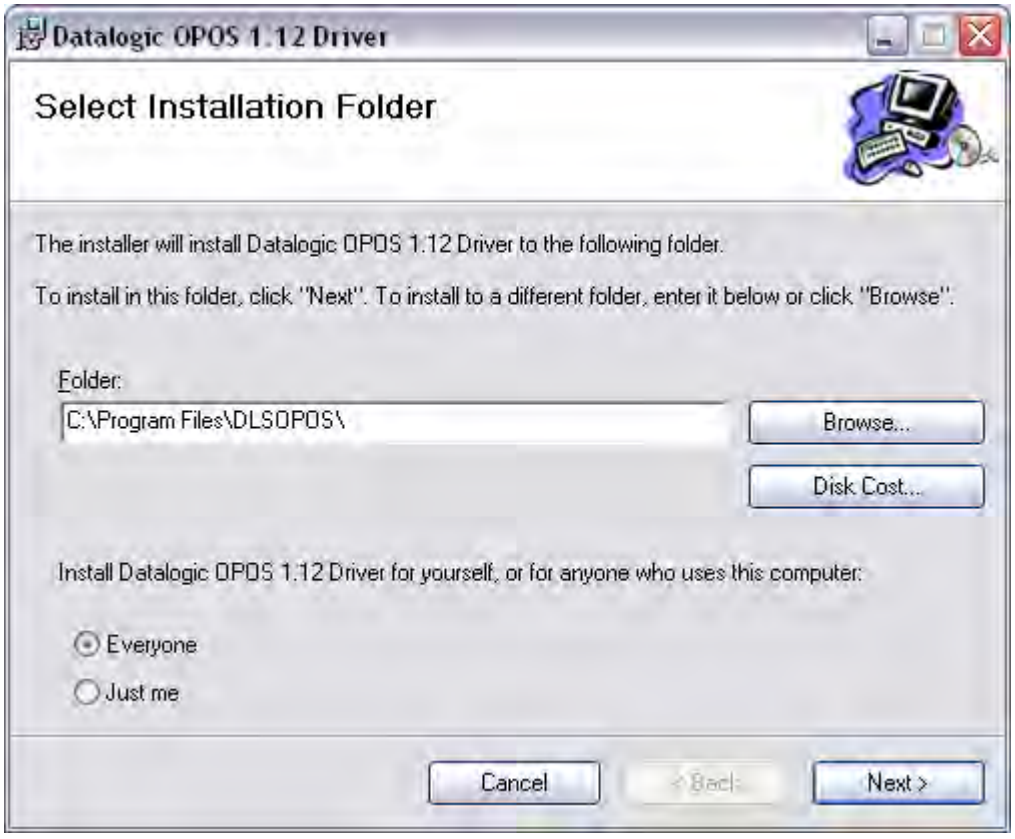
1. Launch the “Datalogic OPOS 1_12_0084__Retalix_StoreNext.msi” file from the Datalogic OPOS folder (located in the installation CD’s Drivers folder). The Welcome Screen appears:



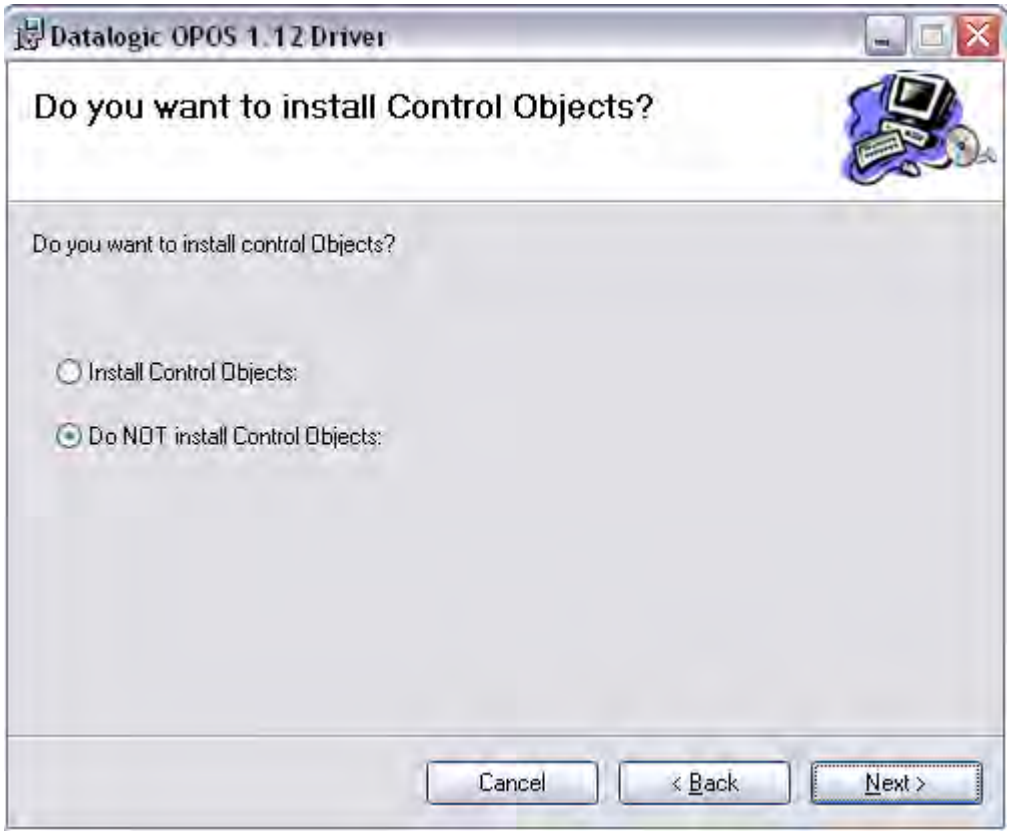
2. Click **Next** and the License Agreement screen is displayed.



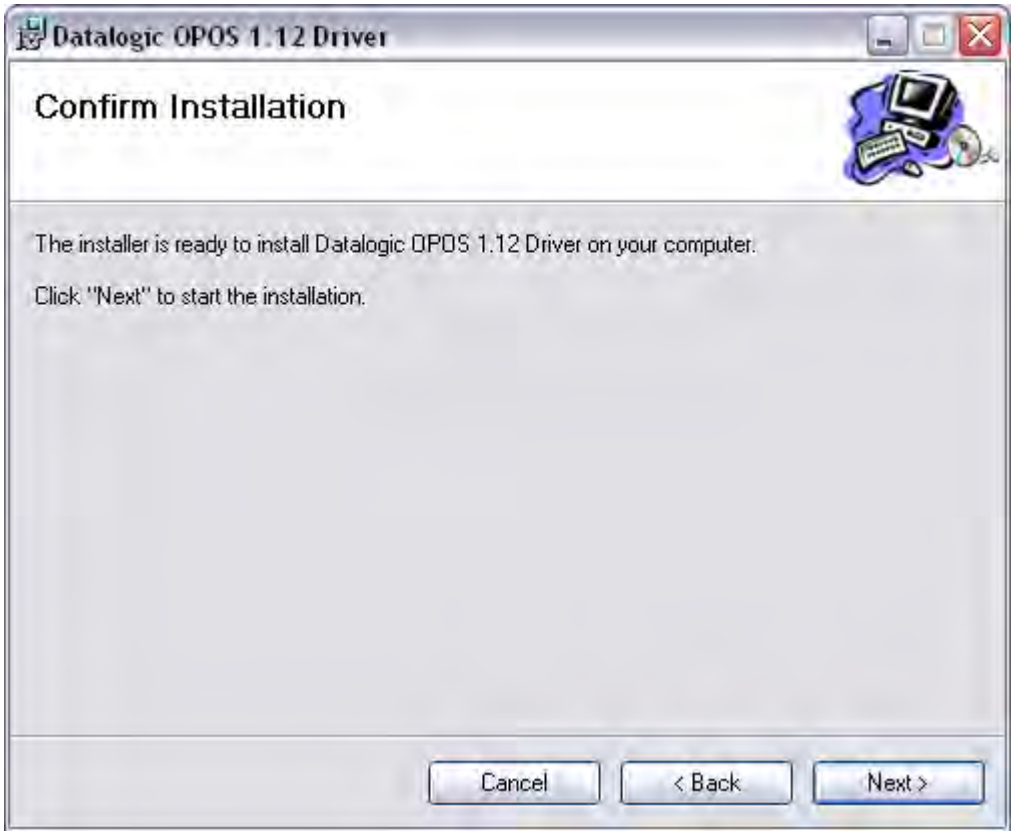
3. Click **I Agree** and **Next**. The Select Installation Folder screen is displayed.



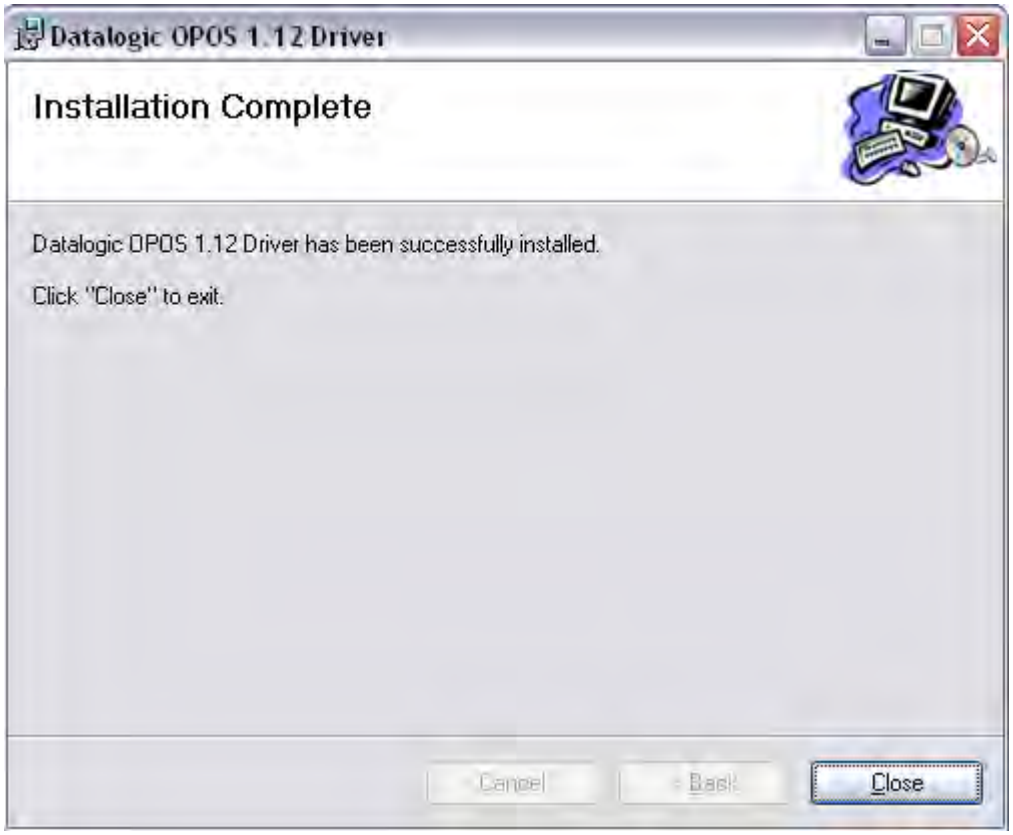
4. Confirm **Everyone** is selected and click **Next.** The install Control Objects screen is displayed.



5. Select **Do NOT install Control Objects** and click **Next.** The Confirm Installation screen is displayed.



6. Click **Next** and the installation continues. The Installation Complete screen displays:



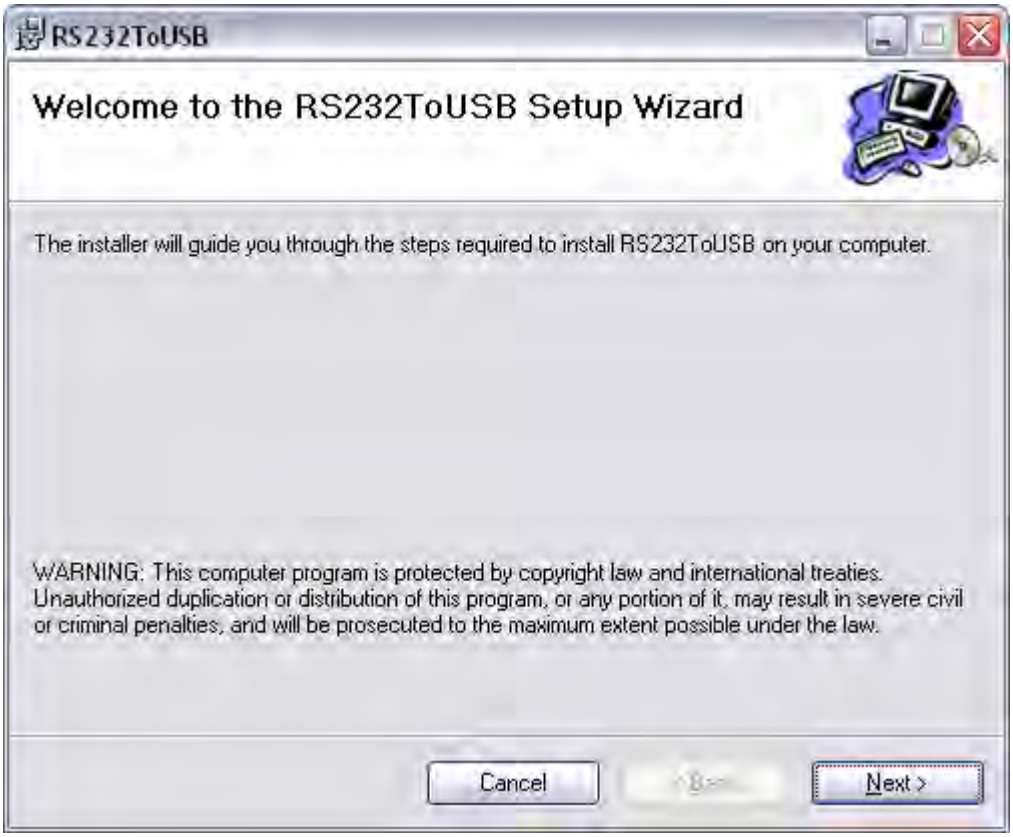
7. Click **Close** to finish.

HyperCom 4100/4150/4250 USB driver installaton (if required)

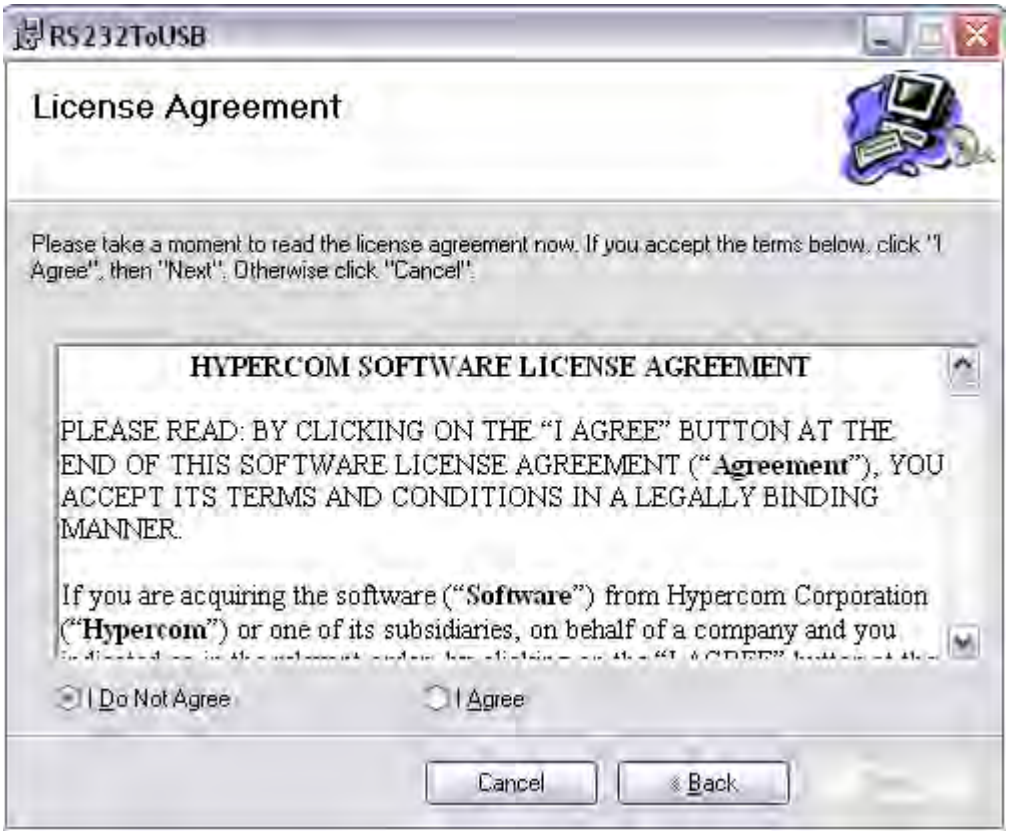
Note:

This section only applies if you are using a USB connected HyperCom 4100/4150/4250 EFT terminal.

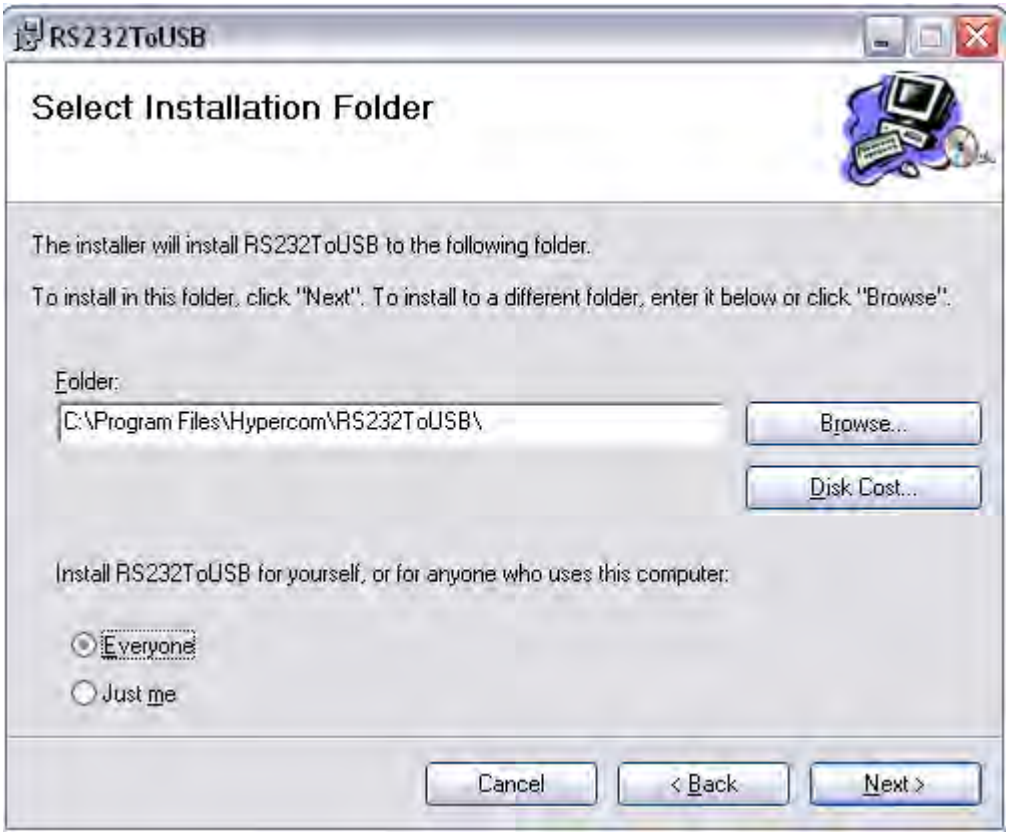
1. On the WinEPS installation CD, browse to the **\OpenEPS\SCAT Code\Hyp4100**, **\OpenEPS\SCAT Code\Hyp4150 PCI 2.0** or **\OpenEPS\SCAT Code\Hyp4250** folder.
2. Locate and extract the **Hypercom USB Driver Installation (RS232ToUSB_3_7_rc4).zip** file to a convenient location on the POS terminal such as the desktop.
3. Execute **Setup1.msi** from the extraction folder. The Welcome Screen displays:



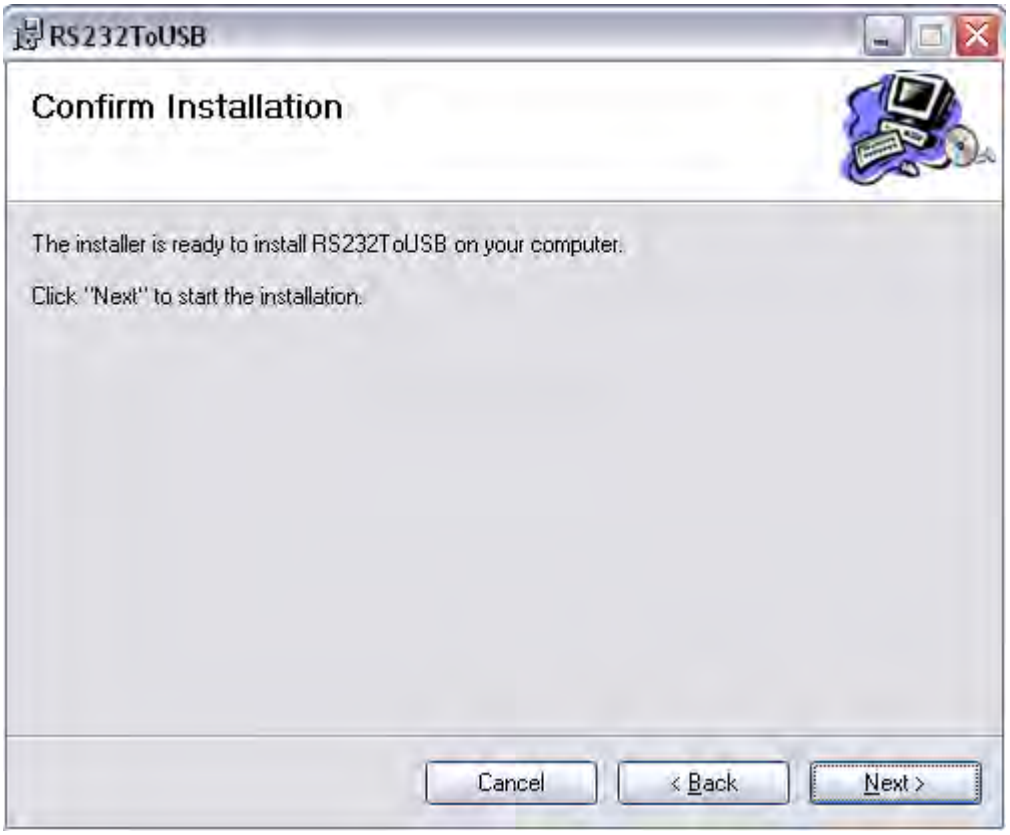
4. Click **Next**. The License Agreement displays:



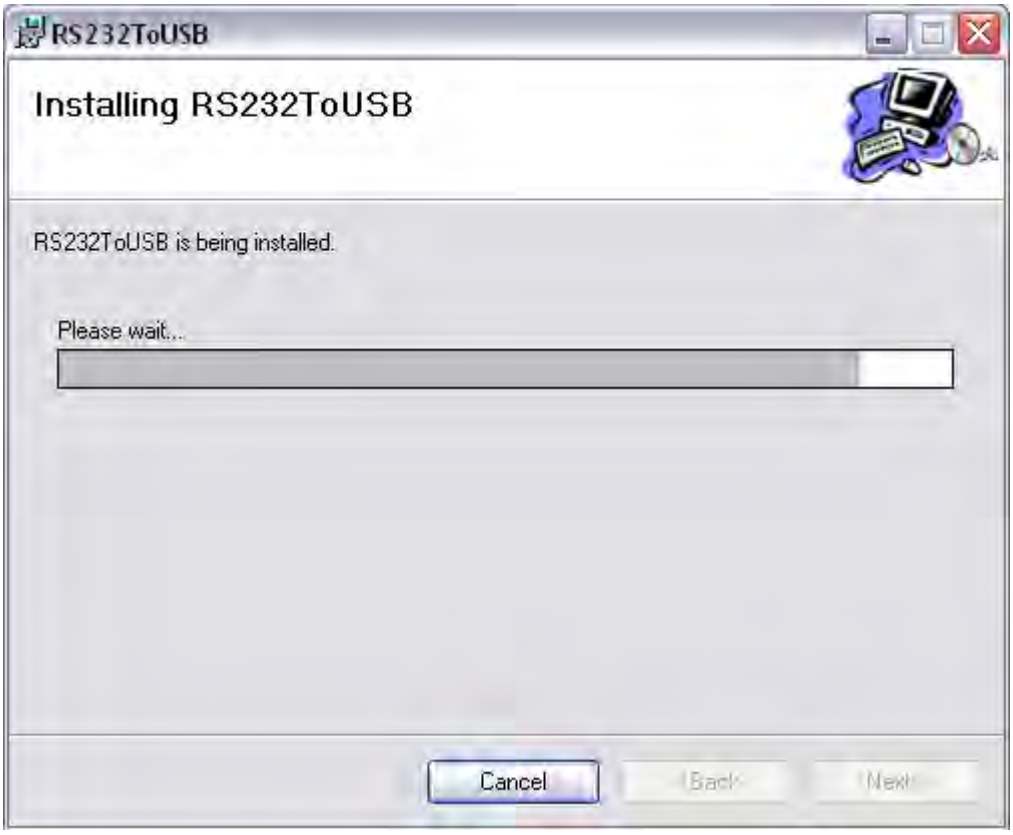
5. Select "I Agree" and click **Next**. The **Select Installation Folder** displays:

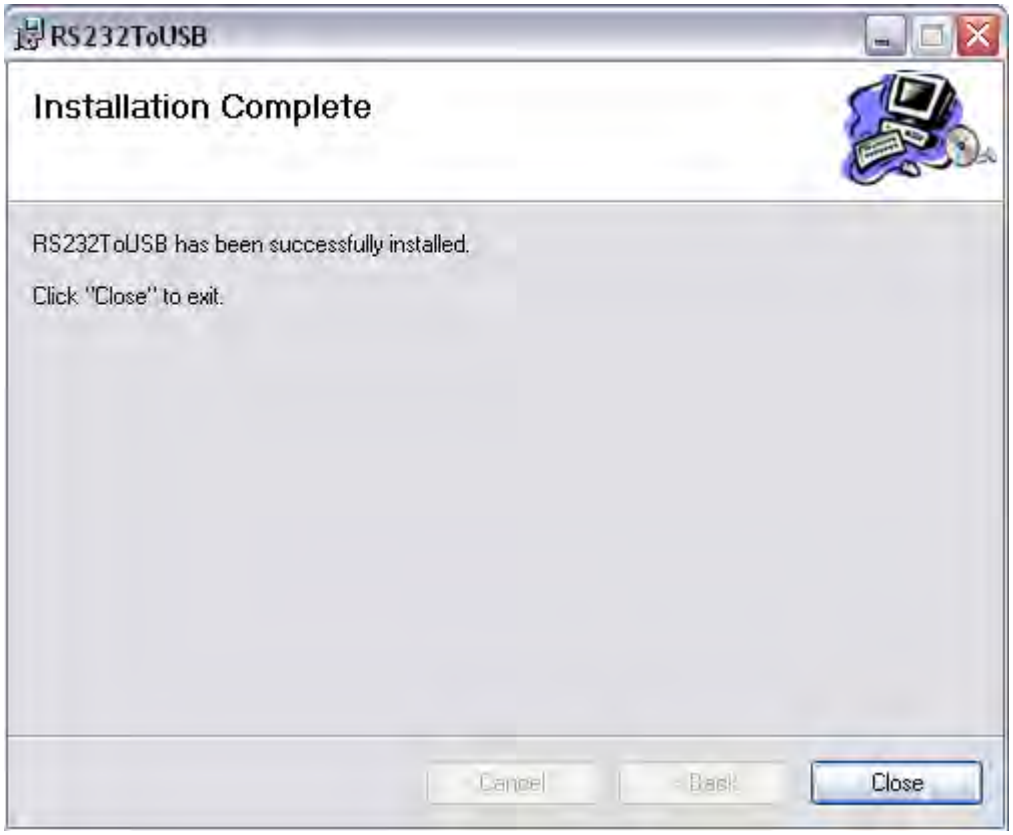


6. Use the default directory path, select **Everyone** and click Next. The Confirm Installation screen displays:

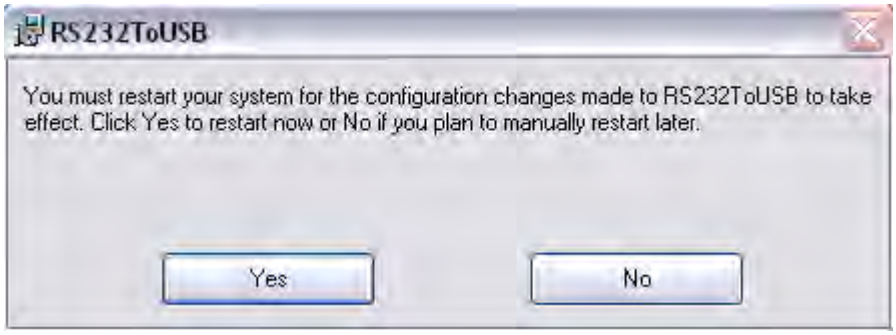


7. Click **Next**. The progress screen displays followed by the Installation Complete screen :


RS232ToUSB
Installing RS232ToUSB
RS232ToUSB is being installed.
Please wait...
Cancel
< Back
Next >



8. Click **Close** to finish the installation. You are prompted to reboot.



9. Press **Yes** to restart.

Hardware USB Mode Setup

1. On the HyperCom, tap the upper left corner, upper right corner and the upper left corner again.
2. If you are prompted for a password, enter "multilane" or "685845263" on the number pad.
3. At the Main menu, select ERC Port.

4. Under the ERC menu, select USB.
5. Select USB and then press the apply now button.
6. Reboot the HyperCom terminal.
7. The startup screen should now list USB for the communication type.

WinPOS Installation

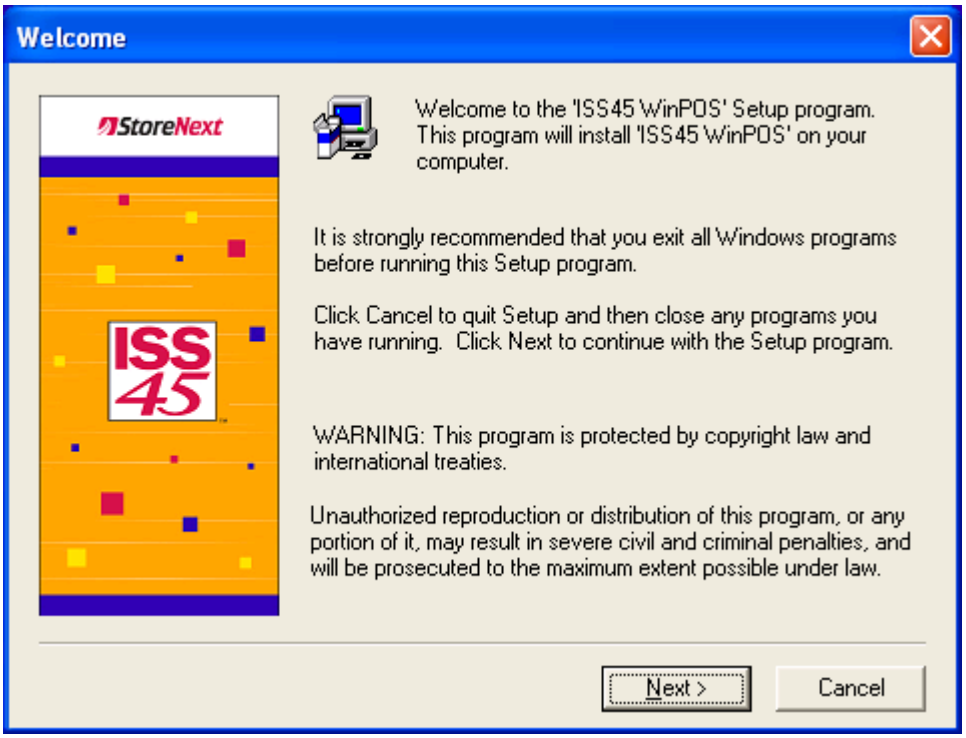
Use the following to start the WinPOS installation from the ISS45 software installation CD.

1. Click **Start** -> **Run**.
2. Click **Browse** and locate the file **Setup.exe** in the CD folder **WinPOS\Disk1** (example D:\WinPOS\Disk1 folder).
3. Double-click on **Setup.exe**.

Note:

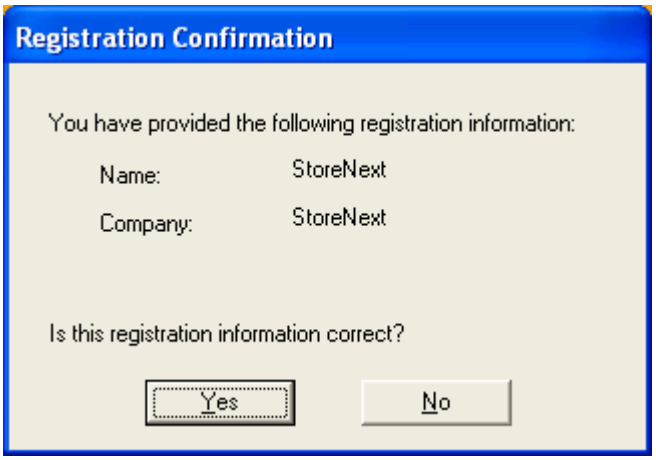
Ensure that the line indicates **Setup.exe** and not **Setup.bat**.

4. Click **OK** to launch the WinPOS installation. The Welcome screen is displayed:

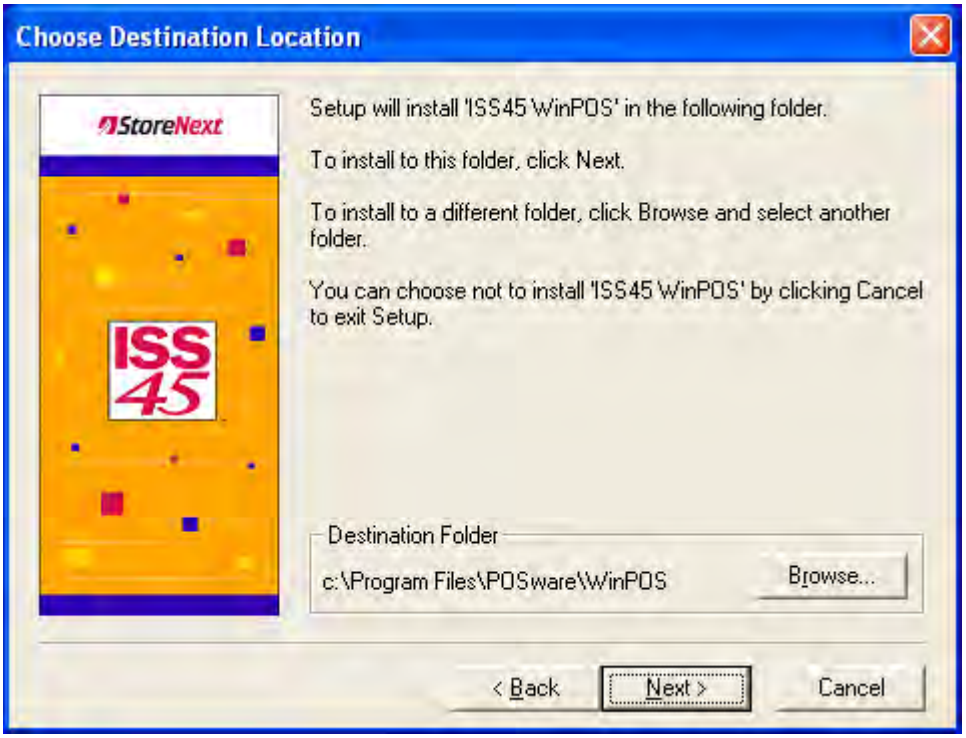


5. Click **Next**. The User Information screen is displayed:

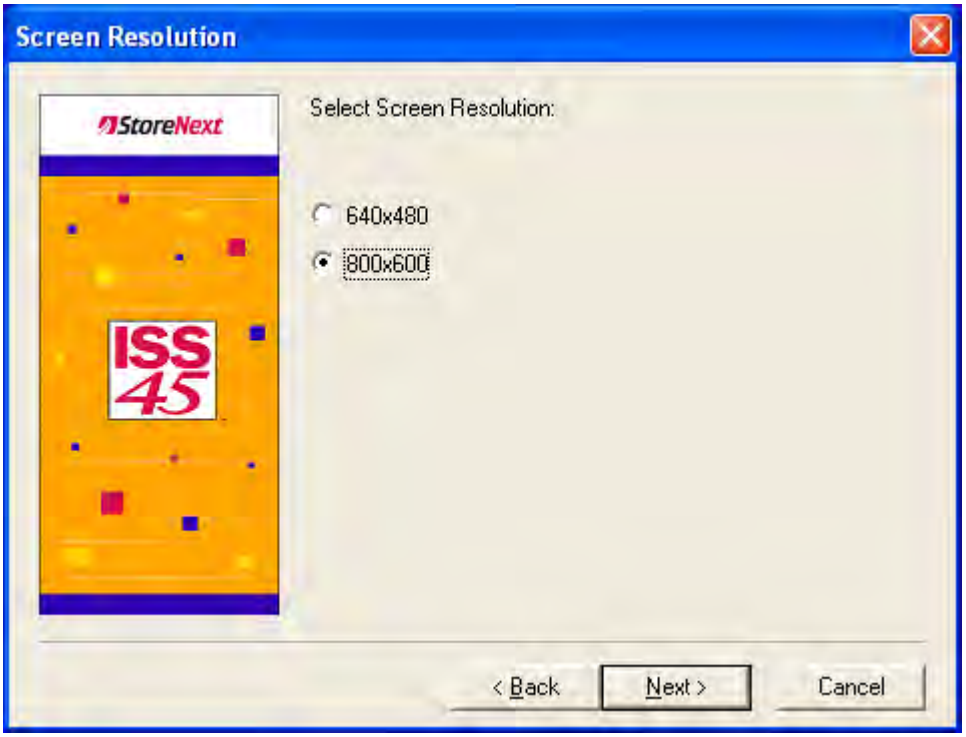
6. Enter name and company information and click **Next**. The Registration Confirmation screen is displayed:



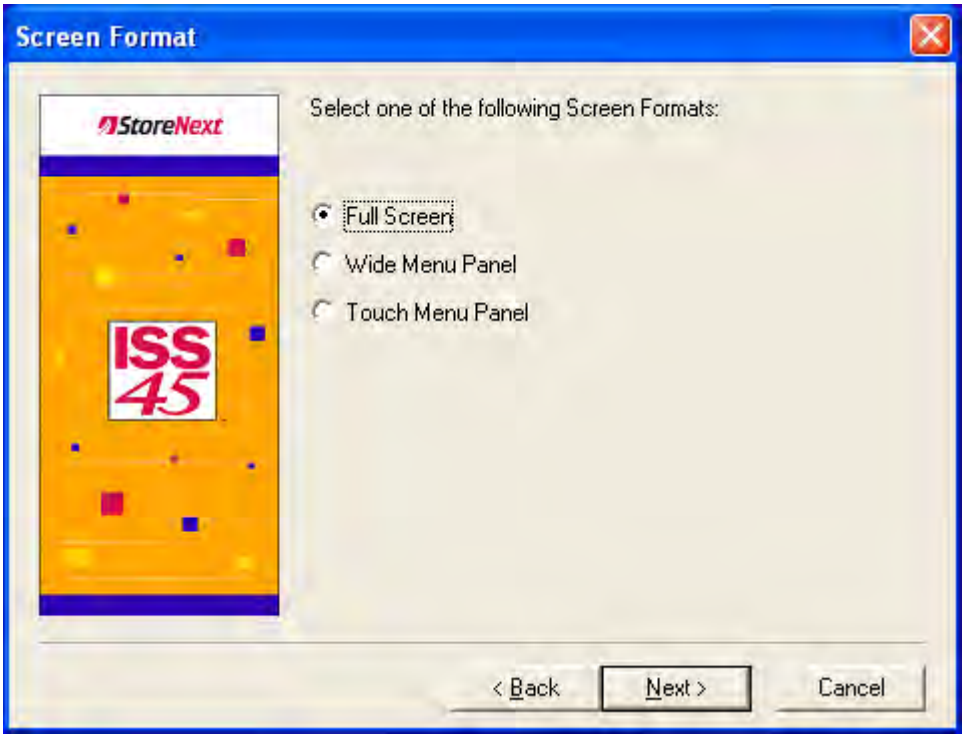
7. Click **Yes** and the Choose Destination Location screen is displayed:



8. Click **Next**. The Screen Resolution screen is displayed:



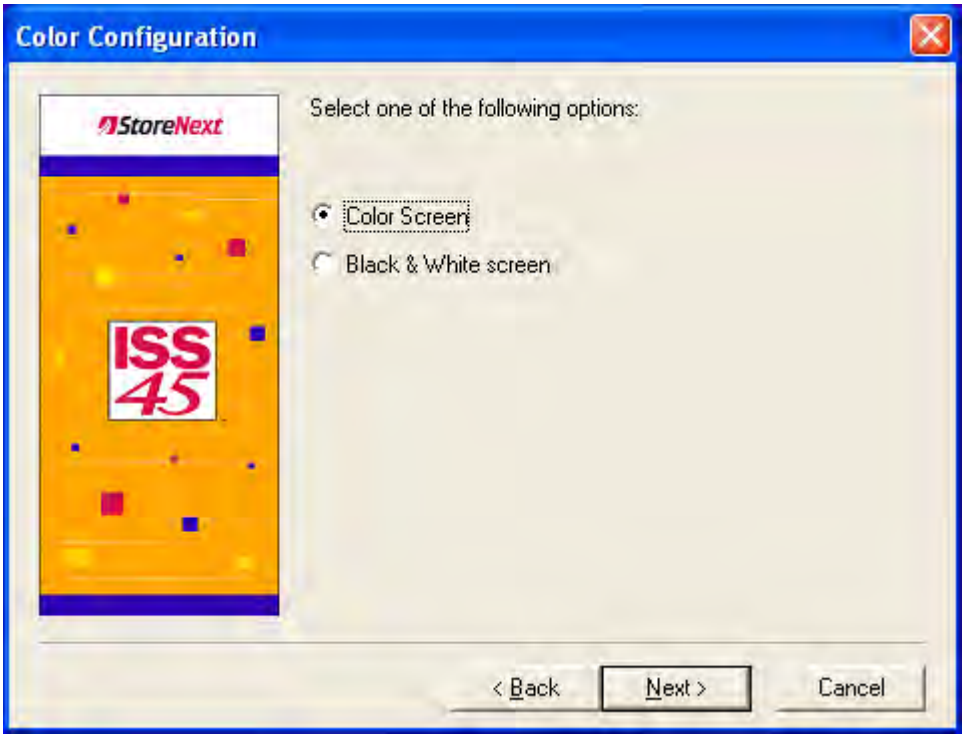
9. Ensure that **800x600** is selected. Click **Next.** The Screen Format screen is displayed:



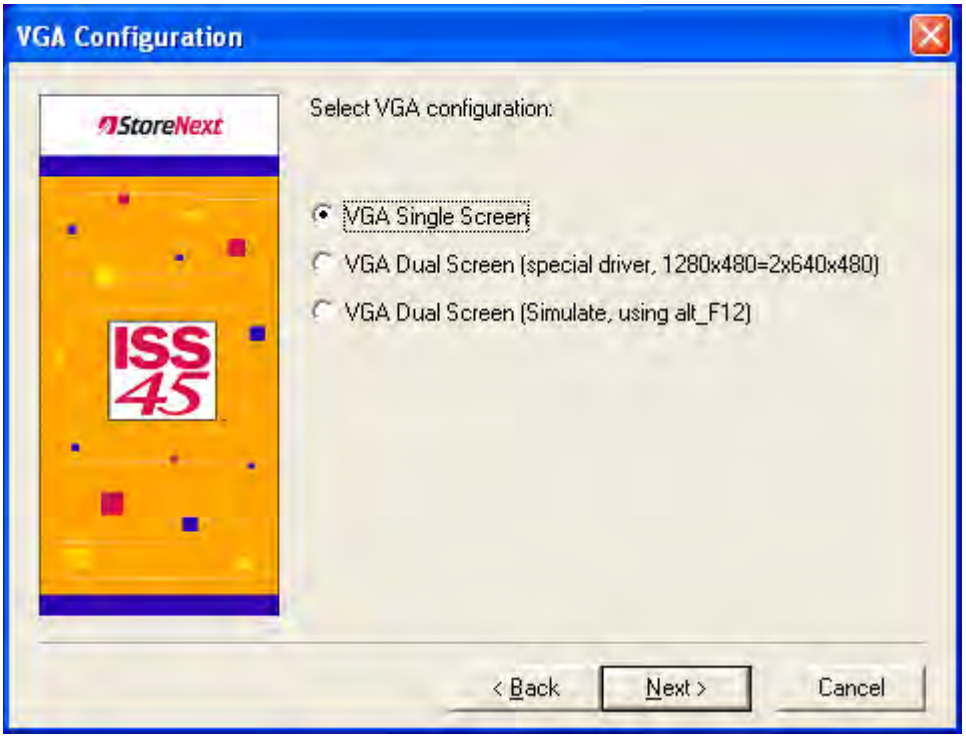
10. Select the configuration for your equipment setup and click **Next**: The Color Configuration Screen is displayed:

Note:

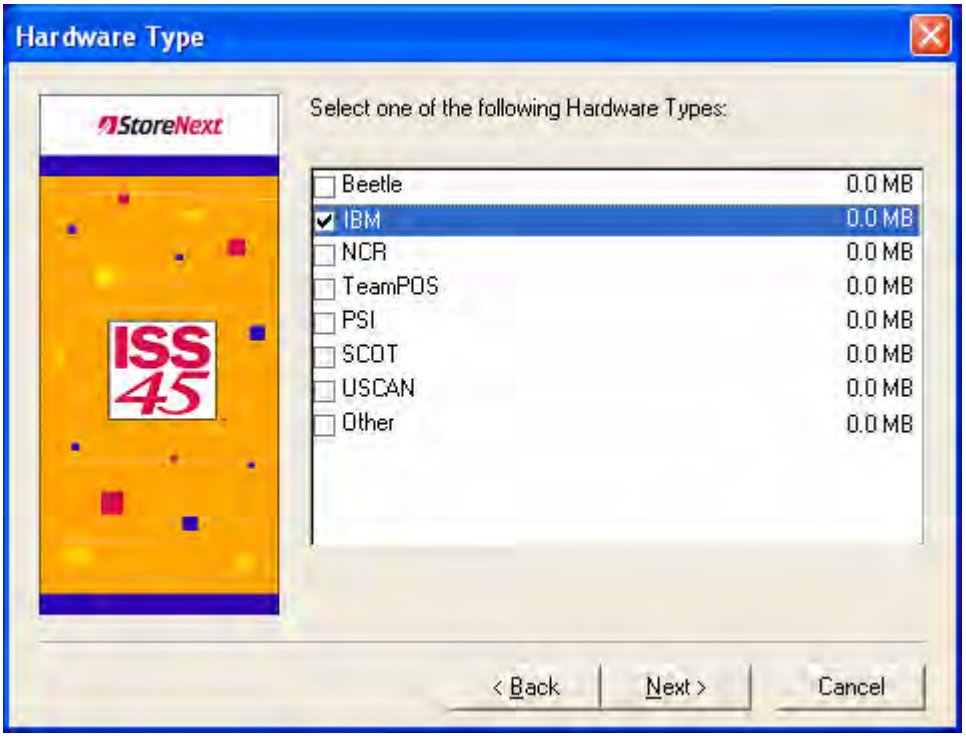
Full Screen does not provide any touch screen capabilities. **Wide Menu Panel** provides limited touch and requires some form of a keyboard. **Touch Menu Panel** provides full touch screen support and does not require any additional keyboards.



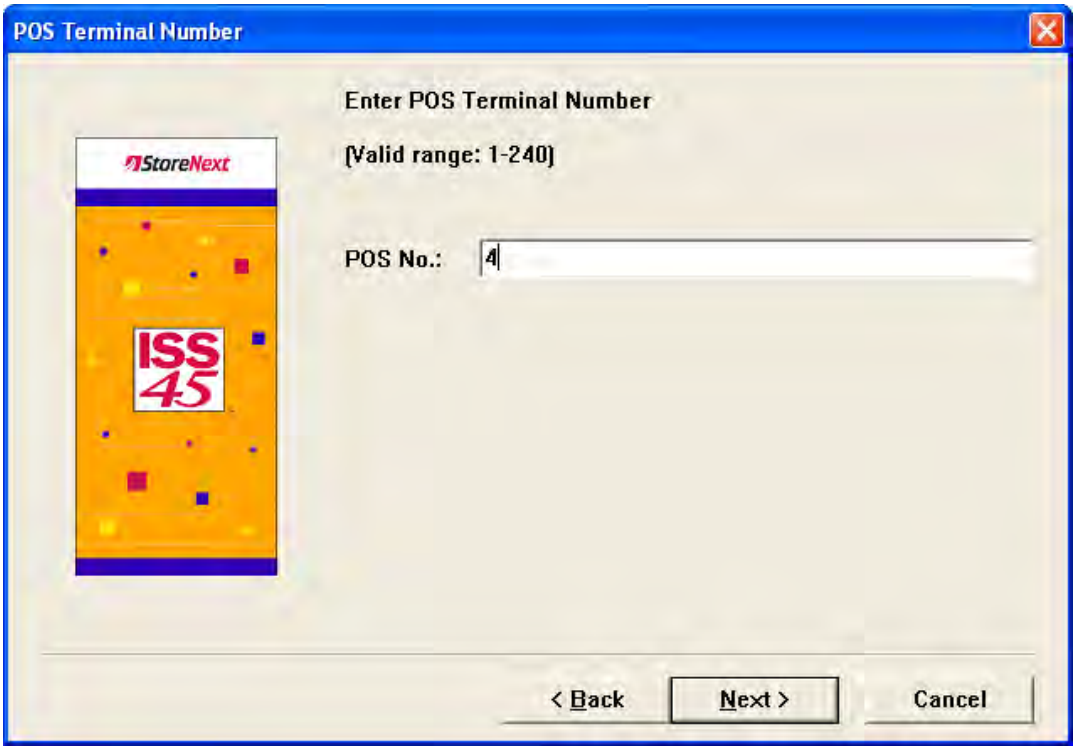
11. Ensure **VGA Color Screen** is selected. Click **Next**. The VGA Configuration screen is displayed:



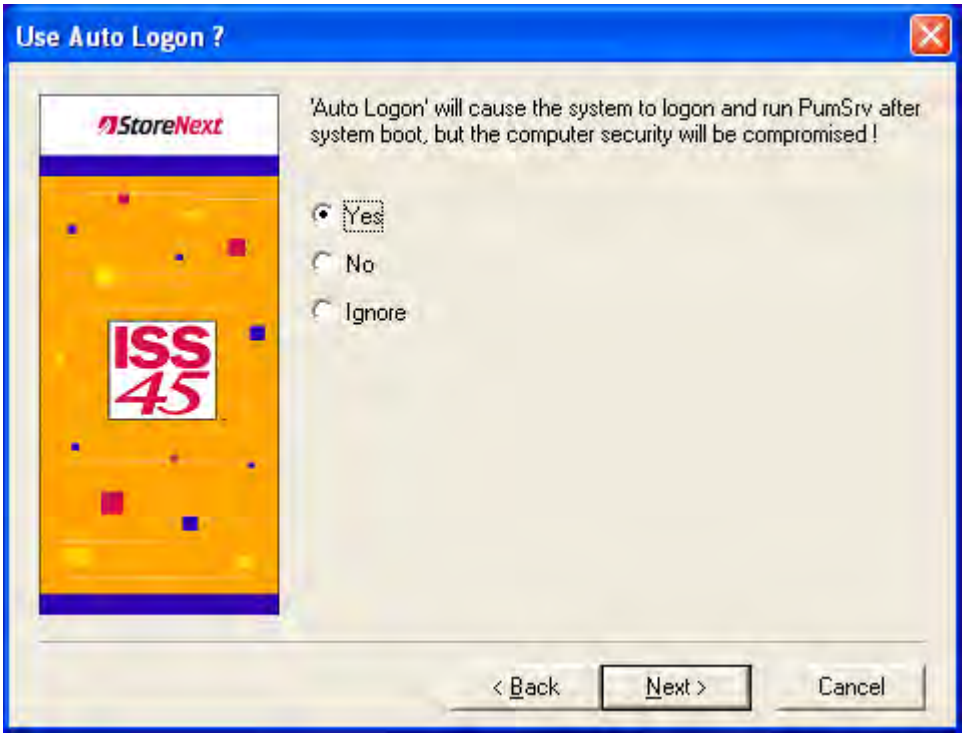
12. Ensure **VGA Single Screen** is selected for single displays or VGA Dual Screen if using two displays. Click **Next**. The Hardware Type screen is displayed:



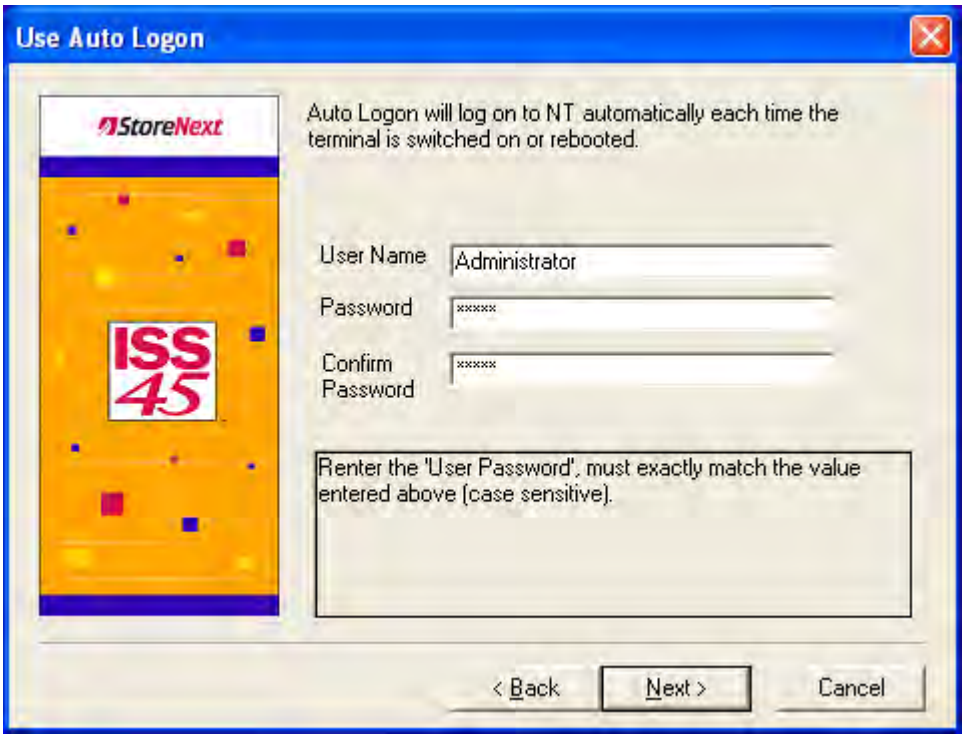
13. Ensure that **IBM** is selected. Click **Next**. The POS Terminal Number screen is displayed:



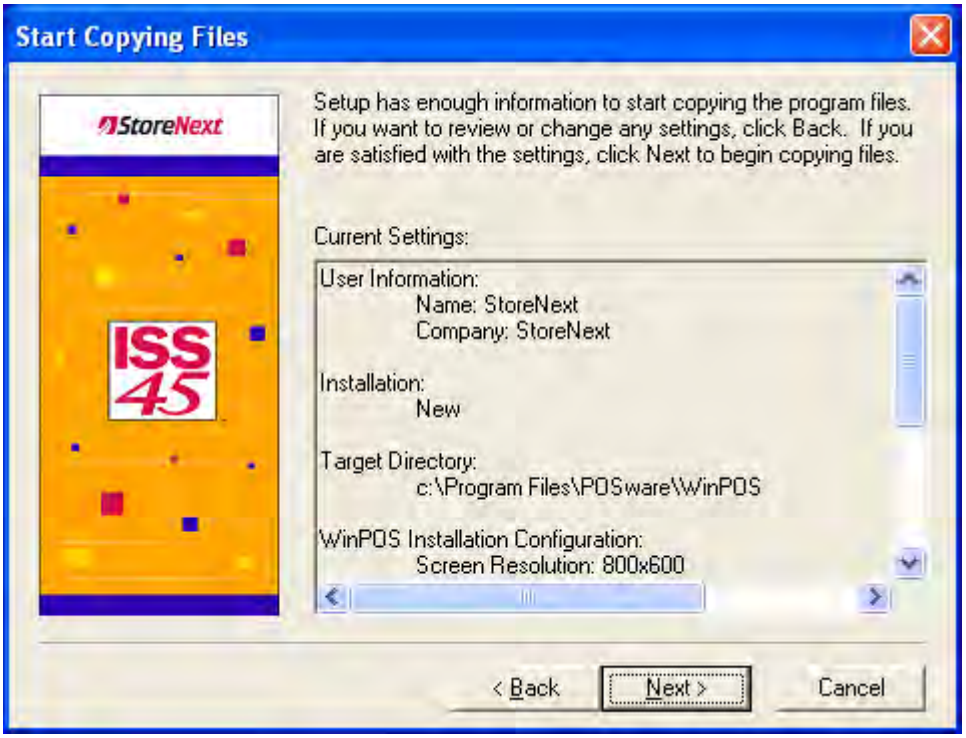
14. Enter the POS terminal number. Click **Next**. The Use Auto Logon screen is displayed:



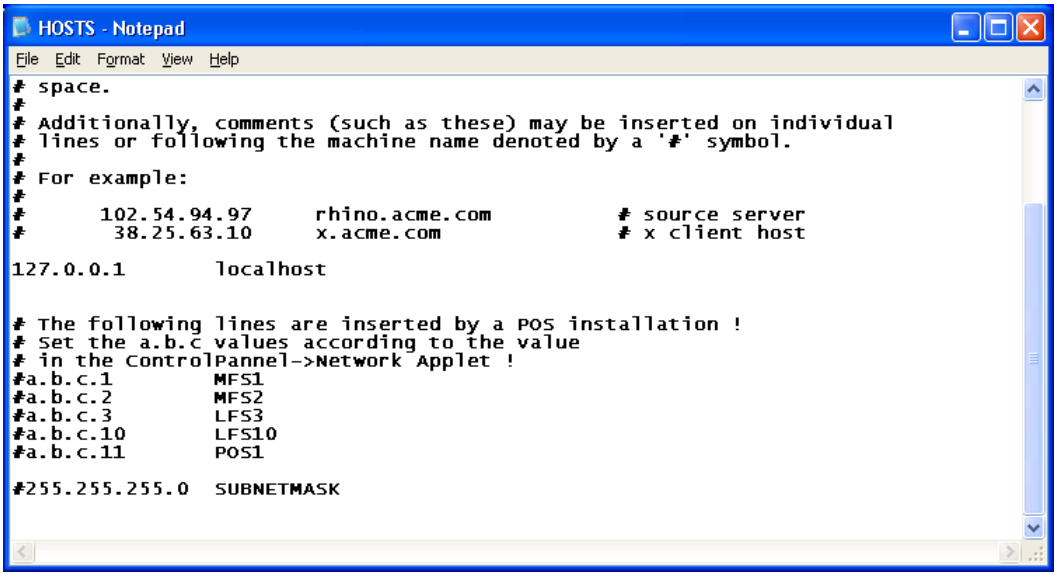
15. Ensure **Yes** is selected. Click **Next**. The next Use Auto Logon screen is displayed:



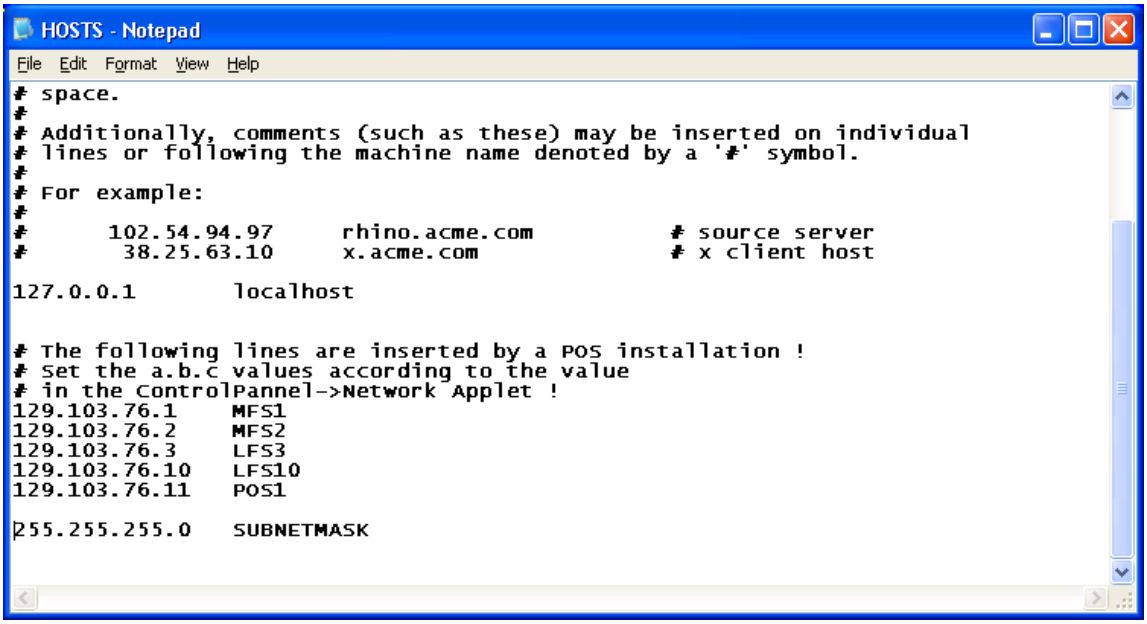
16. Enter the Administrator User Name. Enter and confirm the password for the Administrator. Click **Next**. The Start Copying Files screen is displayed:



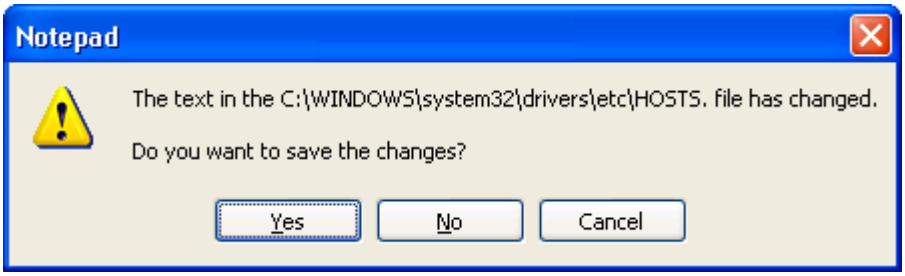
17. Review the information. Click **Next**. The HOSTS – Notepad screen is displayed are files are copied:



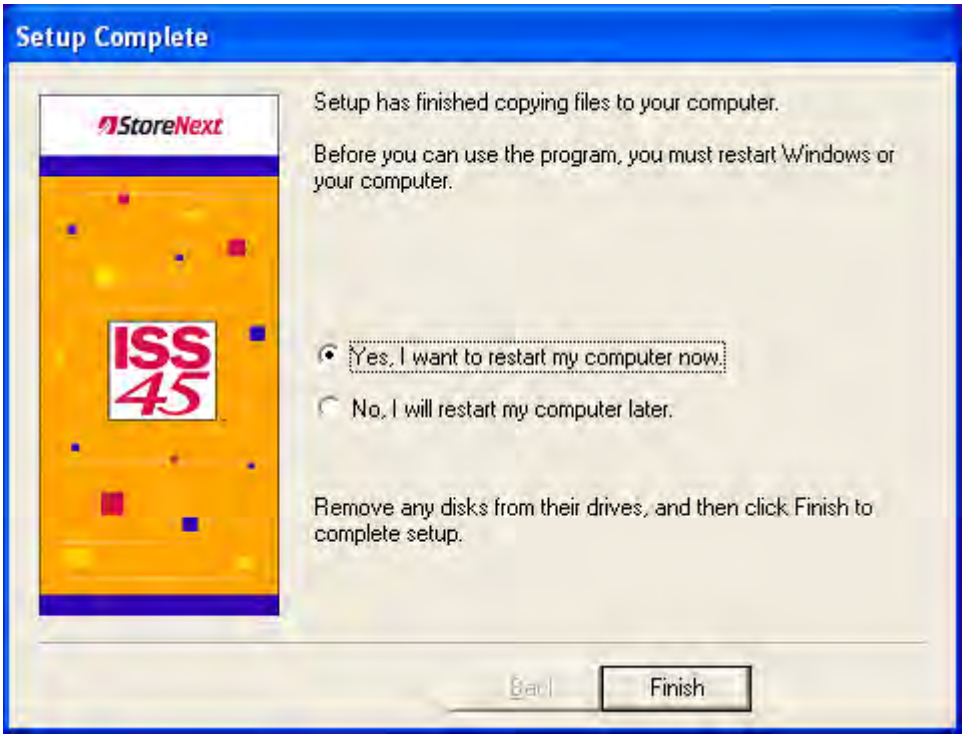
18. Make the necessary changes to the HOSTS file to match your network IP addressing. Remove the # symbol on the items required for your store's environment (see example below):



19. Select **File** -> **Exit** after making changes. The following is displayed:



20. Click **Yes**. The installation continues until the Setup Complete screen is displayed:



21. Ensure **Yes** is selected and click **Finish**.
22. The computer will restart and start loading WinPOS.
23. Exit to the Windows Desktop when the ISS45 load has finished for further installation (e.g. Payments, Catalina, applying patches, etc.).

ISS45 Peripheral Setup for Connected Devices

Note:

After making ISS45 v8 POST Configuration changes, confirm the **Active till** checkbox is checked to enable the POS terminal.

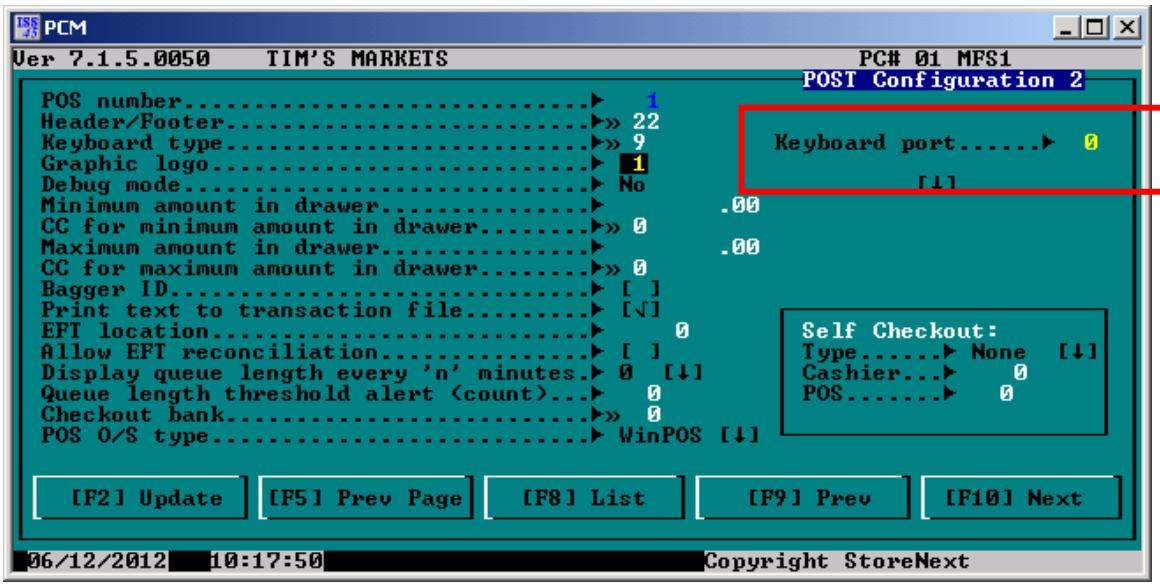
50-Key POS Keyboard

Note:

Manually copy the file **KBDKMAP.DAT** in the C:\Program Files\PosWare\WinPOS folder to the C:\POS\DLL folder. Refer to **Appendix C** for the layout of the keyboard.

ISS45 V7 Configuration

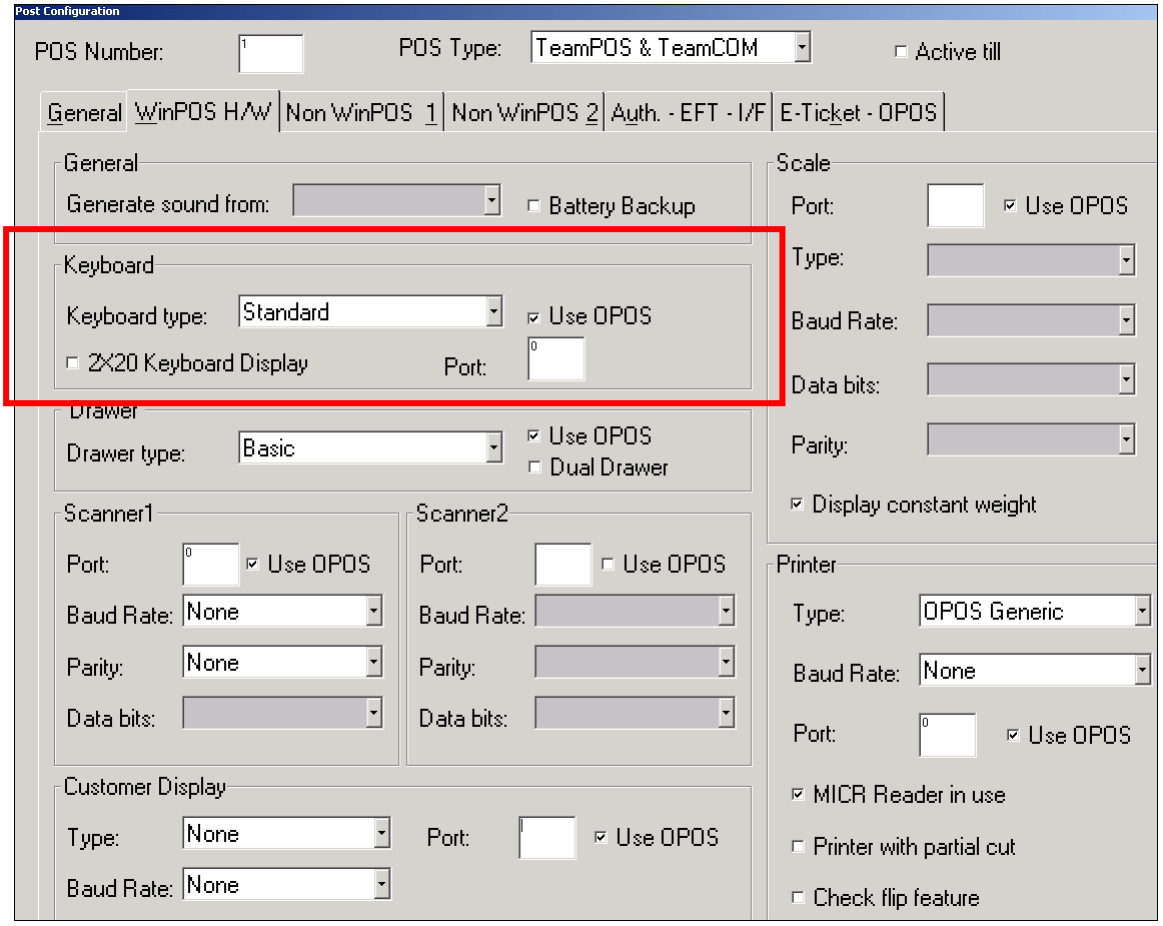
1. In ISS45 V7 POST Configuration Screen (6-1-4-1, **POST Configuration 2**), set the **Keyboard Port** to **0**.



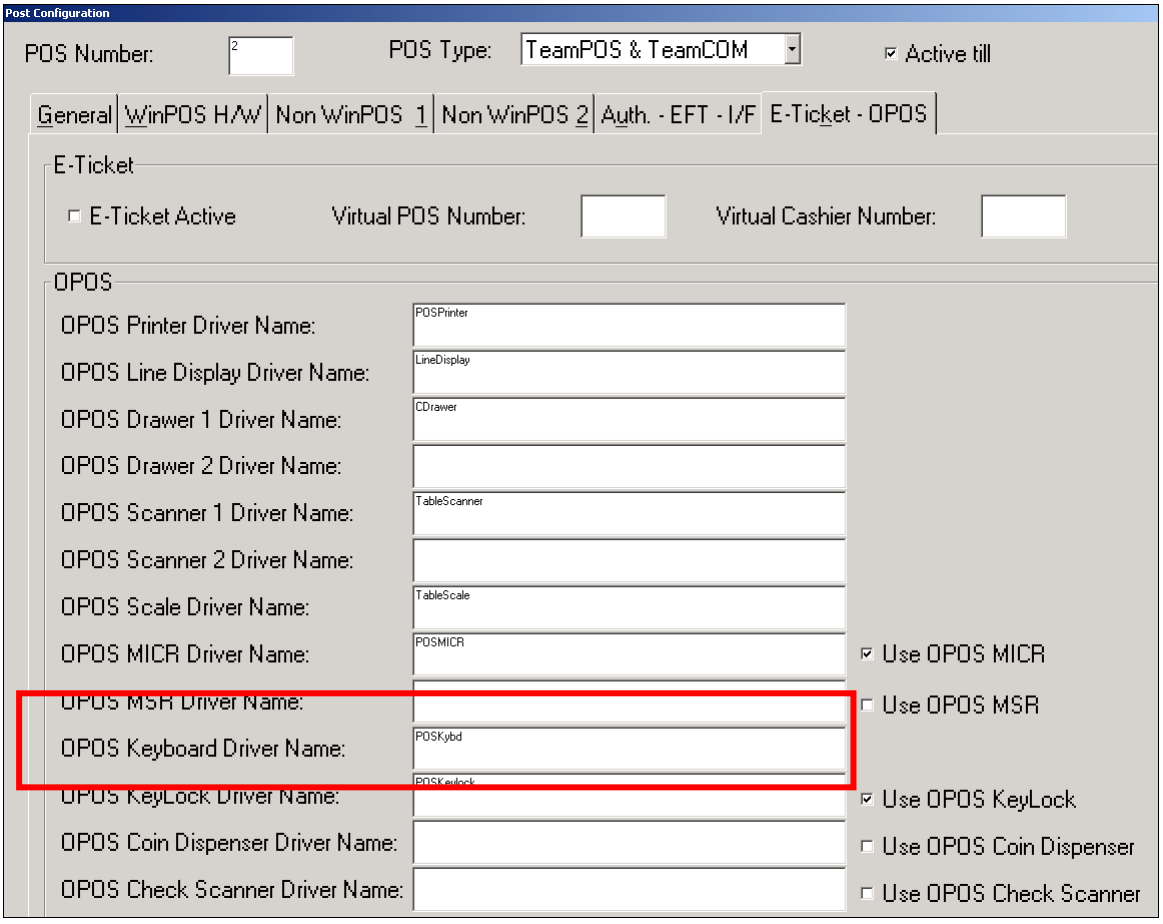
2. In the ISS45 V7 **WinPOS.ini** file, add the following two lines (using the case-sensitivity shown below):
   - OposKeyBoard=Yes
   - DefaultKeyBoardName=POSKybd

ISS45 V8 Configuration

1. In ISS45 V8 Post Configuration screen **WinPOS H/W** Tab set the Keyboard type to **Standard**, check **Use OPOS** and set the **Port** to **0**:



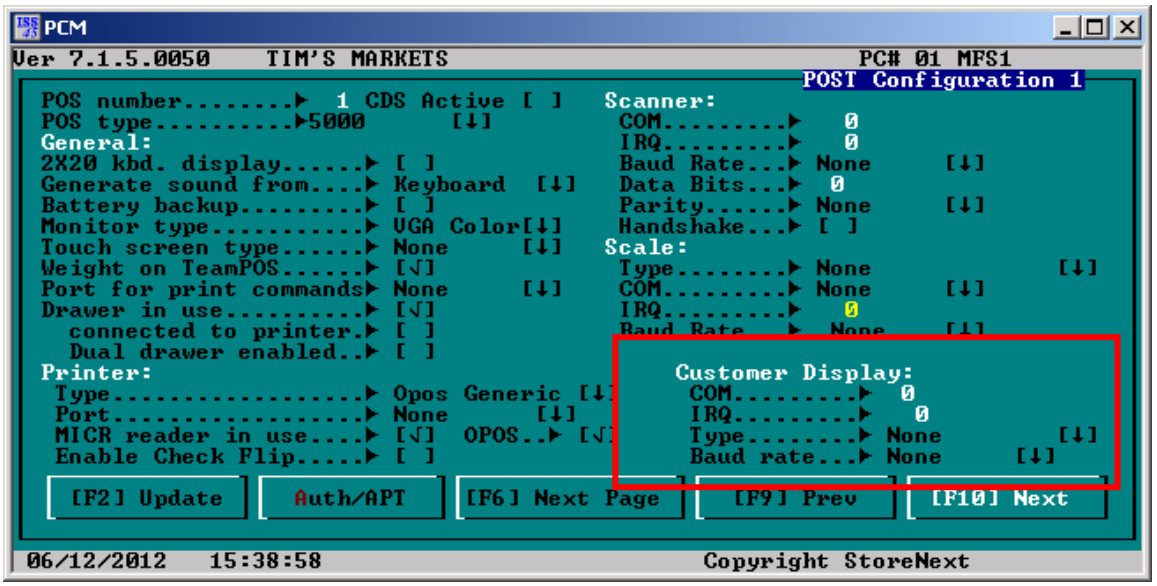
2. In ISS45 V8 Post Configuration screen's **E-Ticket – OPOS** Tab set the **OPOS Keyboard Driver Name** to **POSKybd**:



2x20 External Customer Display

ISS45 V7 Configuration

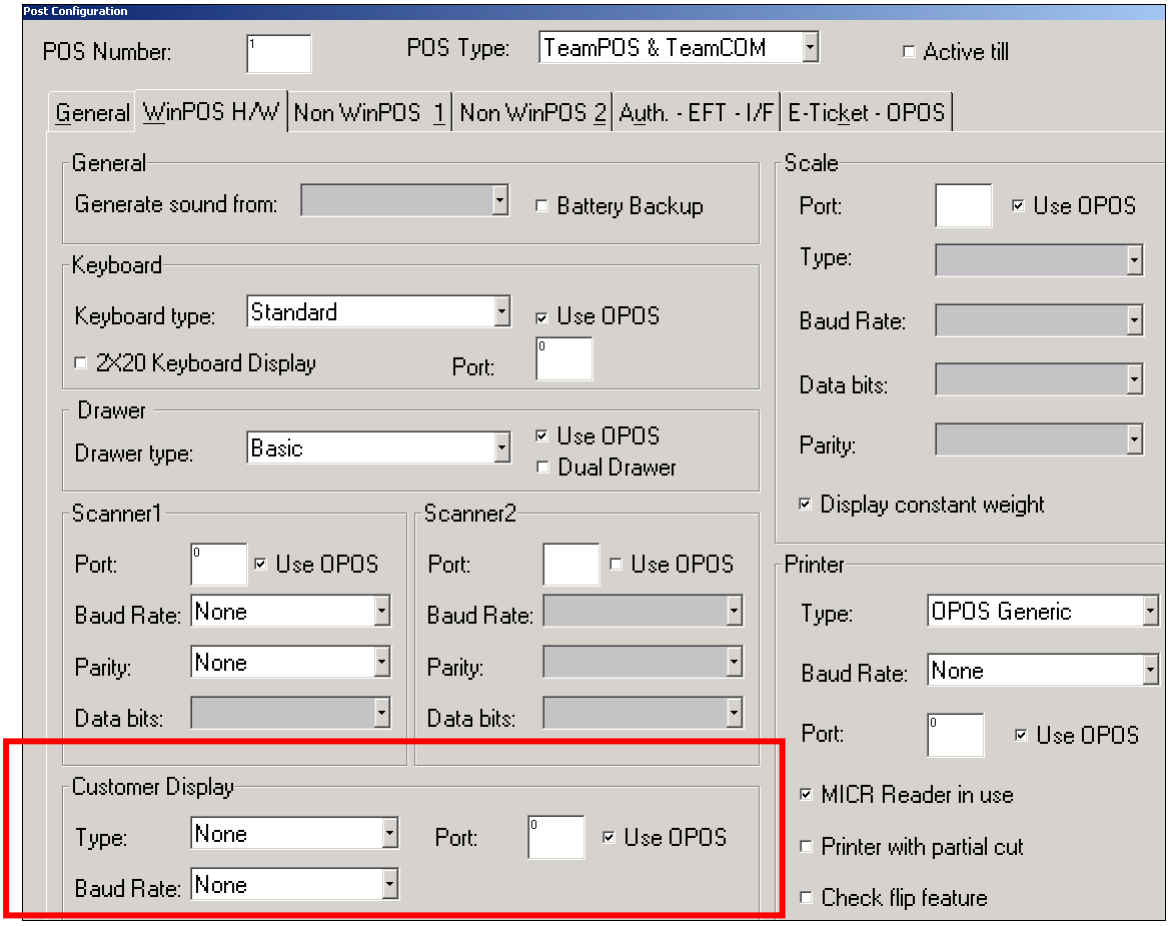
1. In ISS45 V7 POST Configuration Screen (6-1-4-1, **POST Configuration 1**), leave **COM** set to **0**, **IRQ** set to **0**, **Type** set to **None** and **Baud rate** set to **None**:



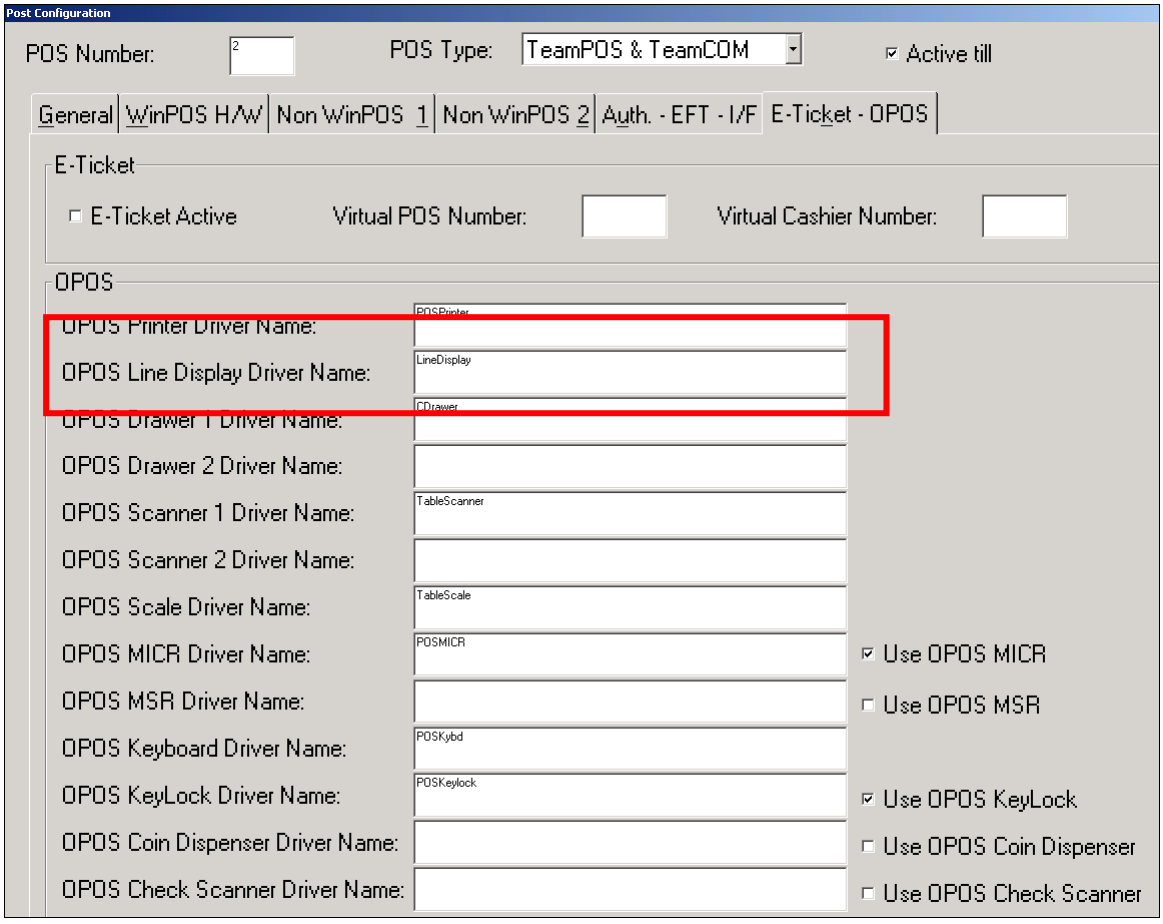
2. In the ISS45 V7 **WinPOS.ini** file, add the following two lines (using the case-sensitivity shown below):
   - OposLineDisplay=Yes
   - DefaultLineDisplayName=LineDisplay

ISS45 V8 Configuration

1. In ISS45 V8 Post Configuration screen's **WinPOS H/W** Tab, leave **Customer Display type** set to **None**, **Baud Rate** set to **None**, **Port** set to **0** and check **Use OPOS**.



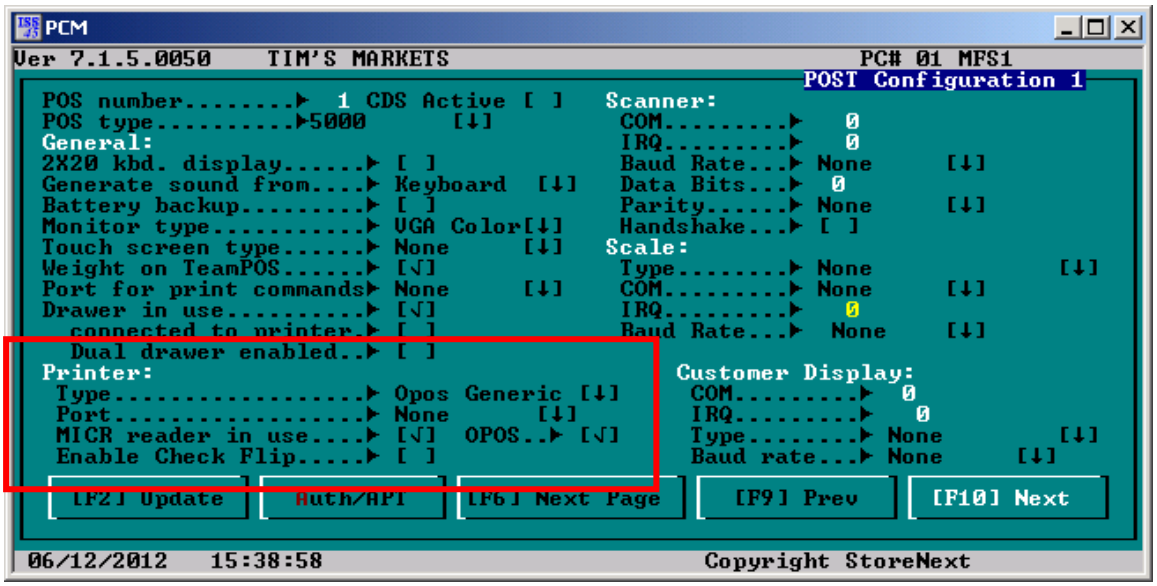
2. In ISS45 V8 Post Configuration screen's **E-Ticket - OPOS** tab, set the **OPOS Line Display Driver Name** to **LineDisplay**.



IBM 4610 Printer

ISS45 V7 Configuration

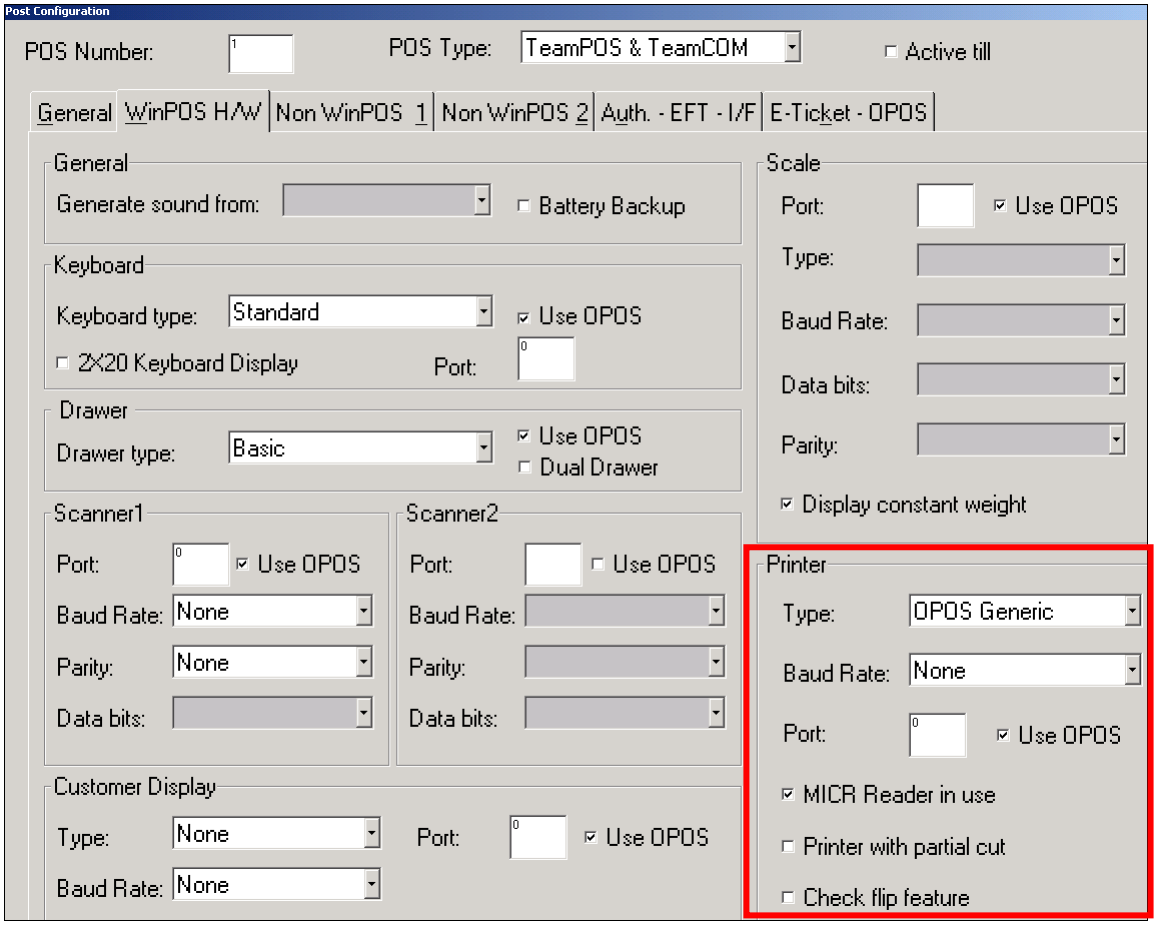
1. In ISS45 V7 POST Configuration Screen (6-1-4-1, **POST Configuration 1**), set **Printer type** to **OPOS Generic**, **Port** set to **None**, check **MICR reader in use**:



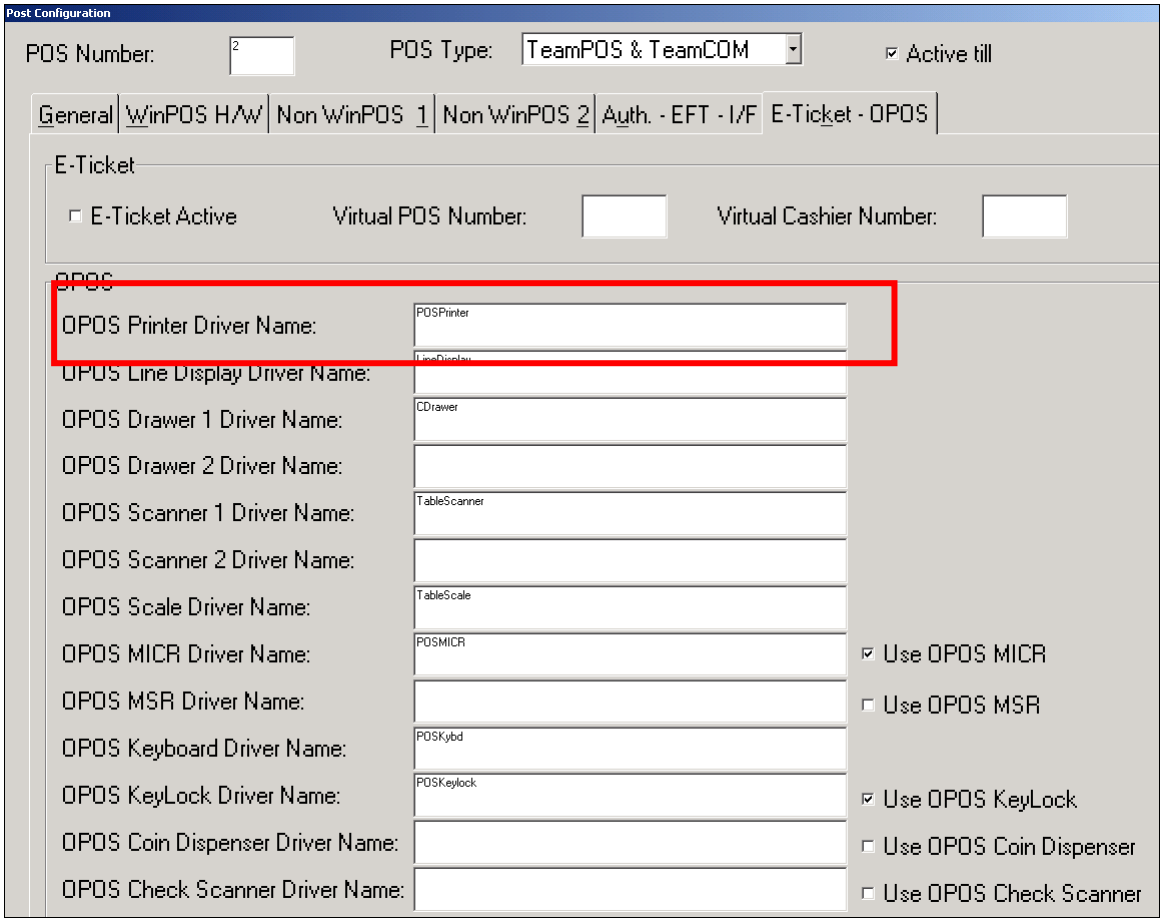
2. In the ISS45 V7 **WinPOS.ini** file, add the following two lines (using the case-sensitivity shown below):
   - DefaultPrinterName=POSPrinter
   - OposMicr=Yes
   - DefaultMicrName=POSMICR

ISS45 V8 Configuration

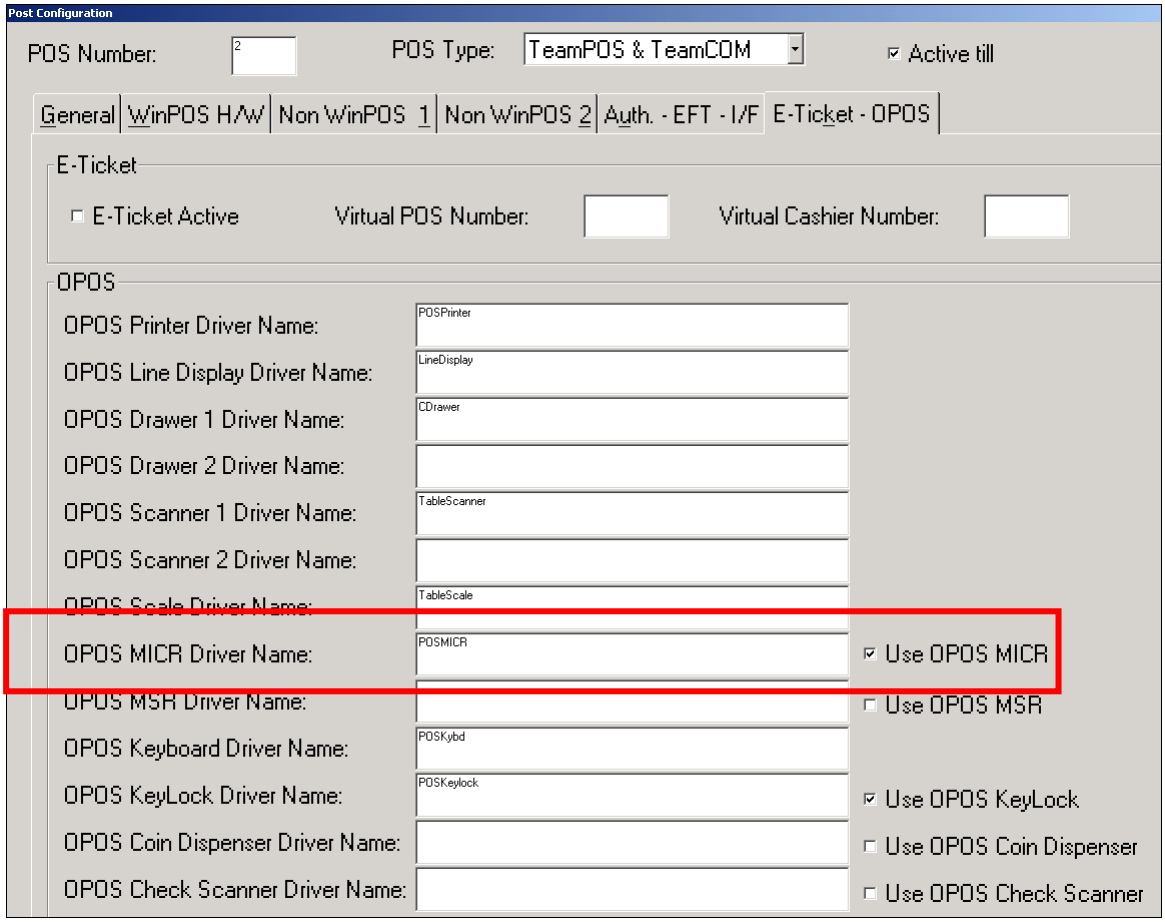
1. In ISS45 V8 Post Configuration screen's **WinPOS H/W** Tab, set **Printer Type** to **OPOS Generic**, **Baud Rate** to **None**, **Port** to **0**, check **Use OPOS** and check **MICR Reader in Use**.



2. In ISS45 V8 Post Configuration screen's **E-Ticket - OPOS** tab, set the **OPOS Printer Driver Name** to **POSPrinter.**



3. In ISS45 V8 Post Configuration screen's **E-Ticket - OPOS** tab, set the **OPOS MICR Driver Name** to **POSMICR** and check **Use OPOS MICR**.



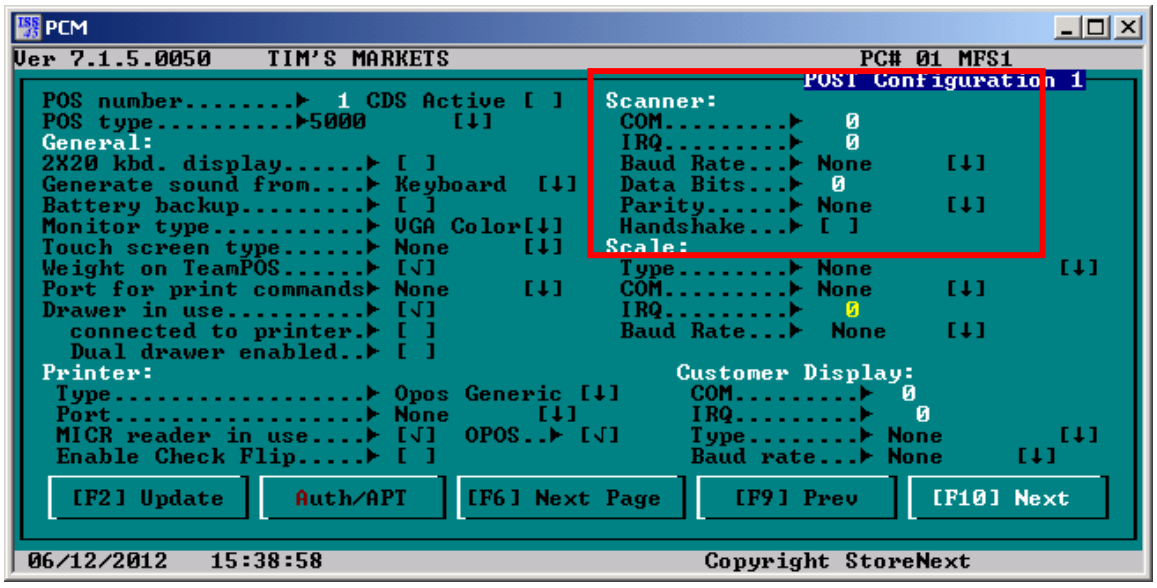
PSC 8200 or 8500 USB Scanner and Scale

ISS45 V7 Configuration

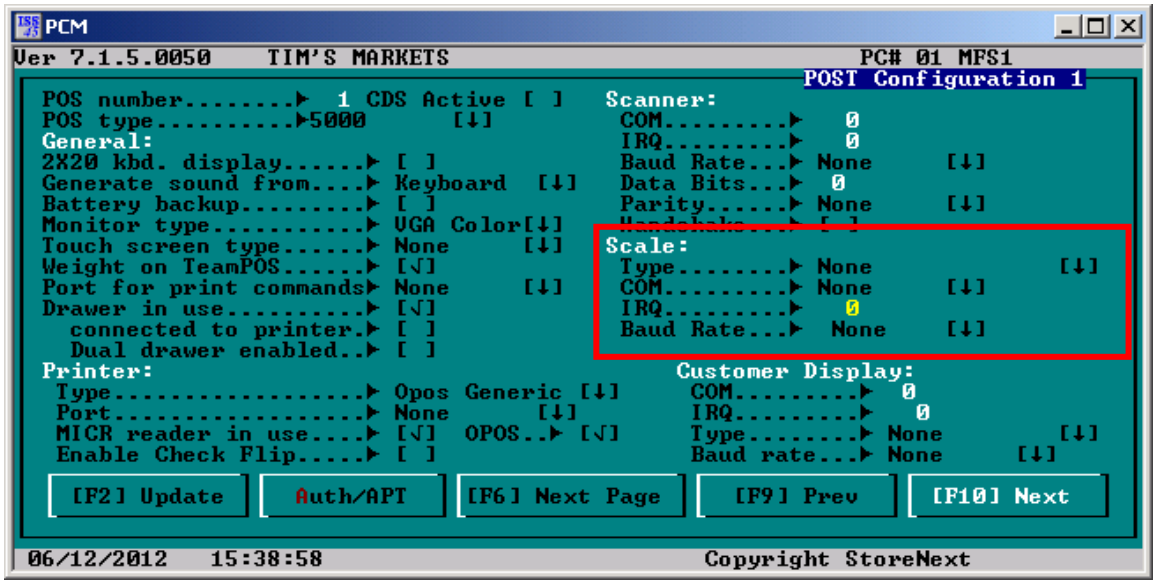
Note:

Refer to the ISS45 Installation CD's **PSC-Datalogic** folder for the RS232 setup.

1. In ISS45 V7 POST Configuration Screen (6-1-4-1, **POST Configuration 1**), set **Scanner** to **COM 0**, **IRQ** to **0**, **Baud Rate** to **None**, **Data Bits** to **0**, **Parity** to **None** and **Handshake** unchecked:



2. In ISS45 V7 POST Configuration 1 screen, set **Scale Type** to **None**, **COM** to **None**, **IRQ** to **0** and **Baud Rate** to **None.**

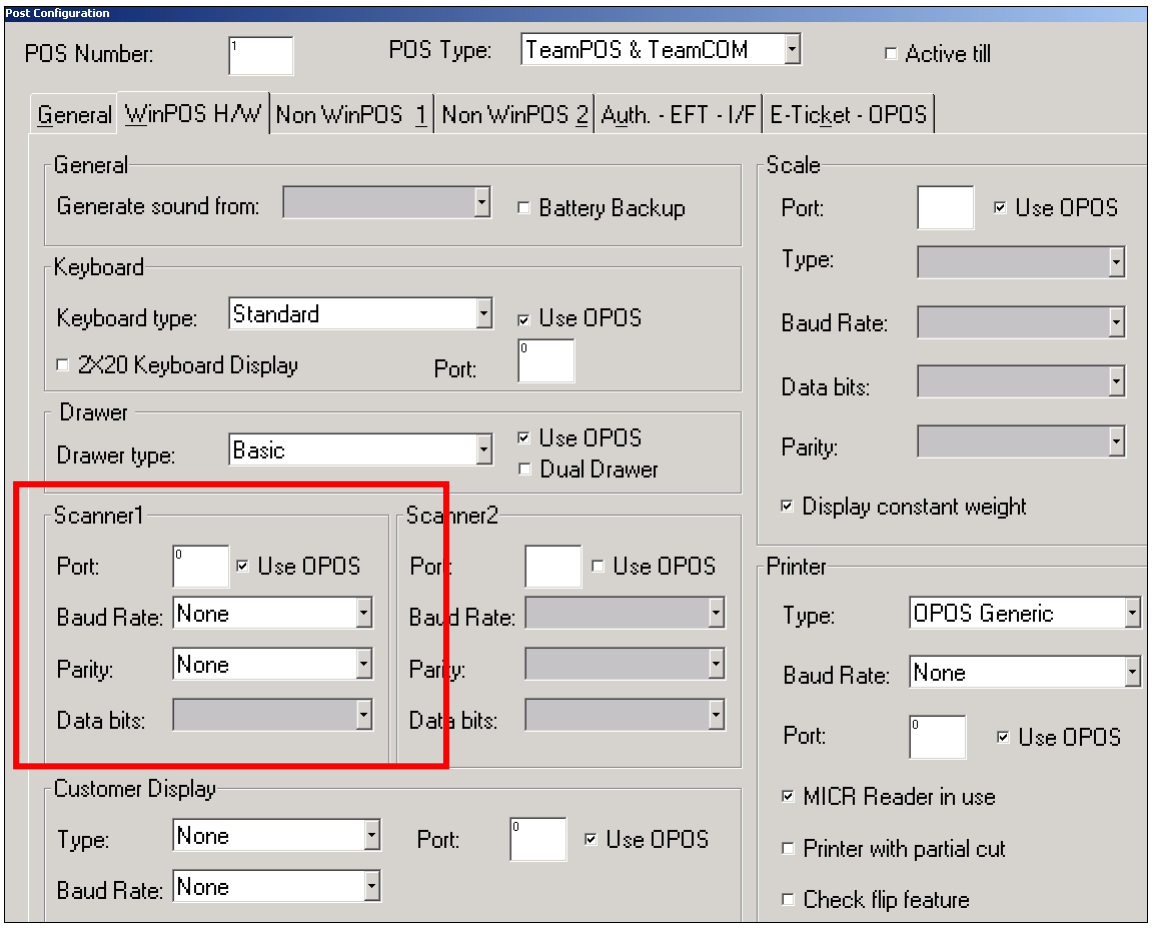


3. In the ISS45 V7 **WinPOS.ini** file, add the following two lines (using the case-sensitivity shown below):

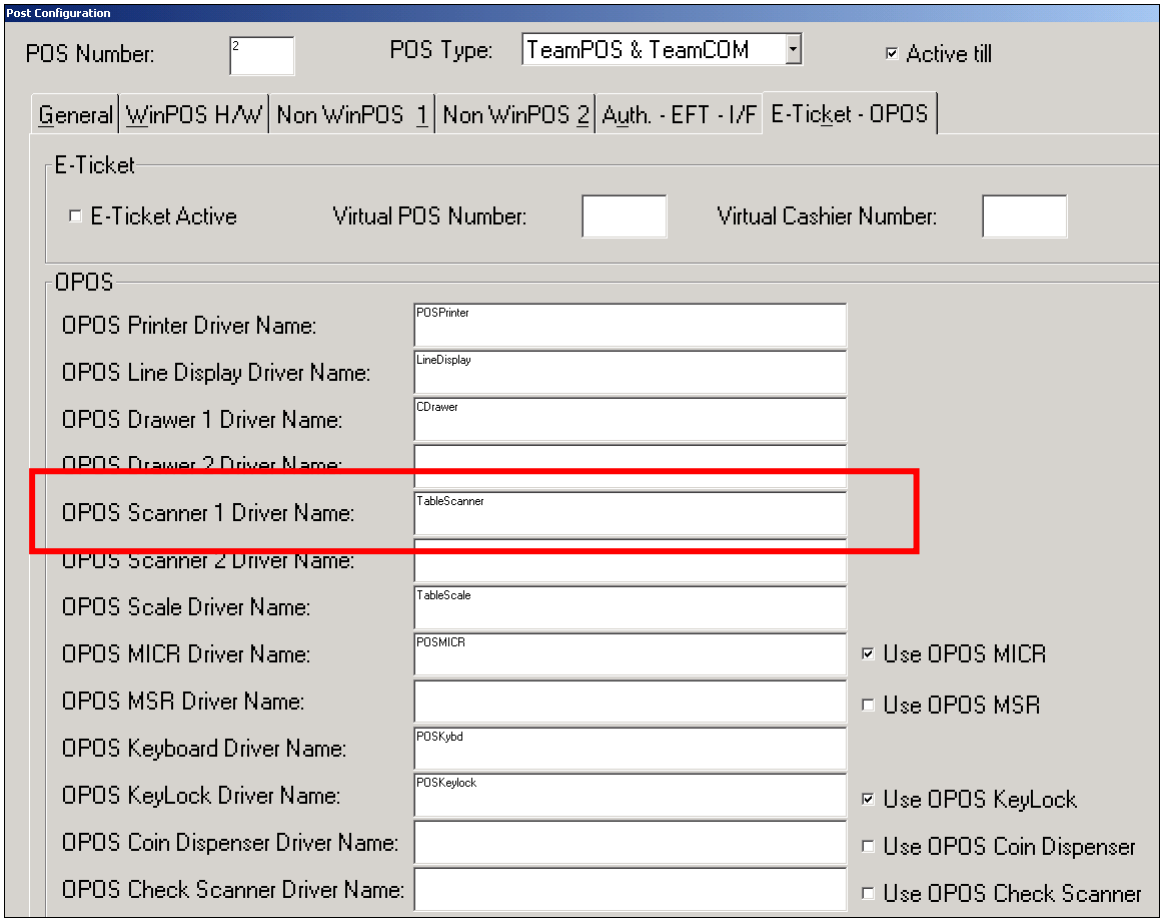
   - OposScanner=Yes
   - DefaultScannerName=TableScanner
   - OposScale=Yes
   - DefaultScaleName=TableScale

ISS45 V8 Configuration

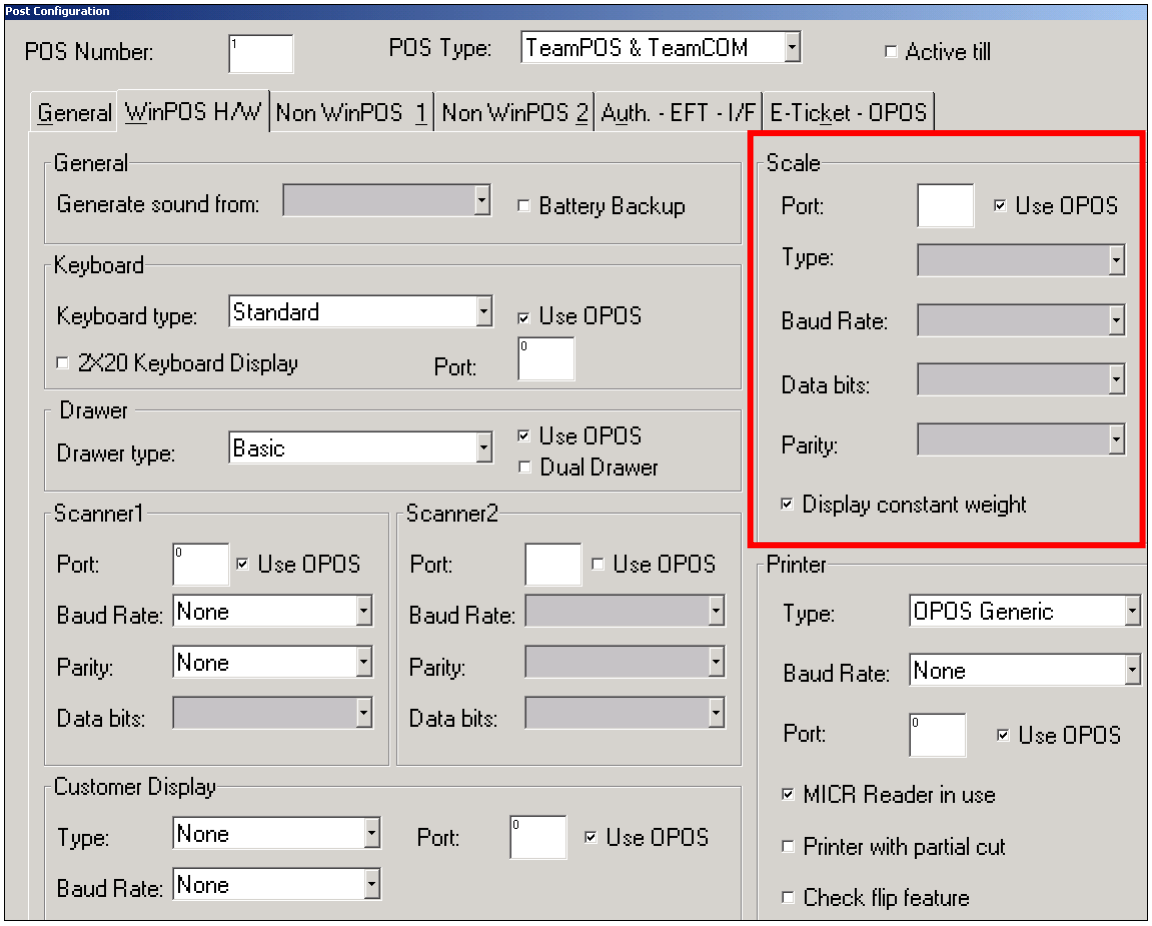
1. In ISS45 V8 Post Configuration screen's **WinPOS H/W** Tab, set **Scanner1 Port** to **0**, check **Use OPOS**, **Baud Rate** to **None**, **Parity** to **None** and leave **Data bits** blank.



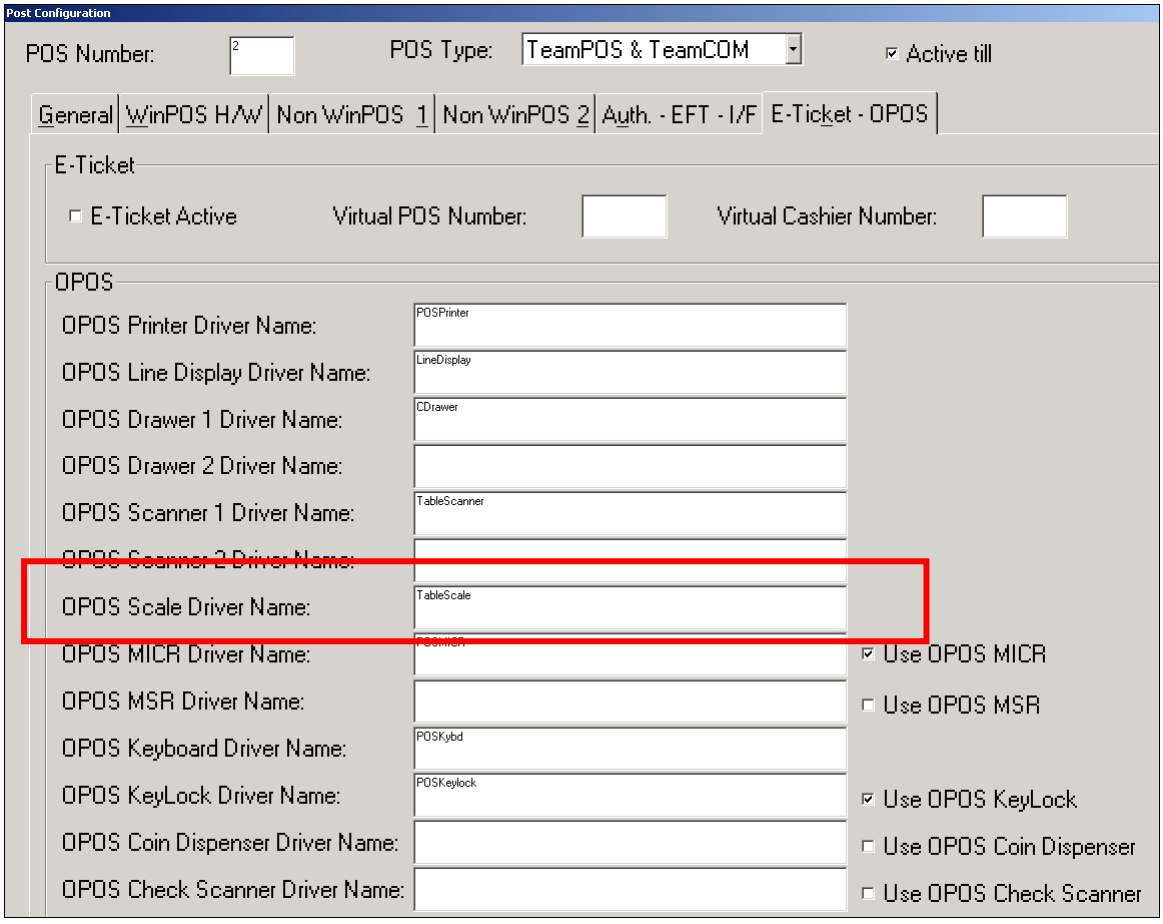
2. In ISS45 V8 Post Configuration screen's **E-Ticket - OPOS** tab, set the **OPOS Scanner 1 Driver Name** to **TableScanner.**



3. In ISS45 V8 Post Configuration screen's **WinPOS H/W** tab, leave **Scale Port** blank, check **Use OPOS**, leave **Type** blank, leave **Baud Rate** blank, leave **Data bits** blank, leave **Parity** blank and check **Display constant weight**.



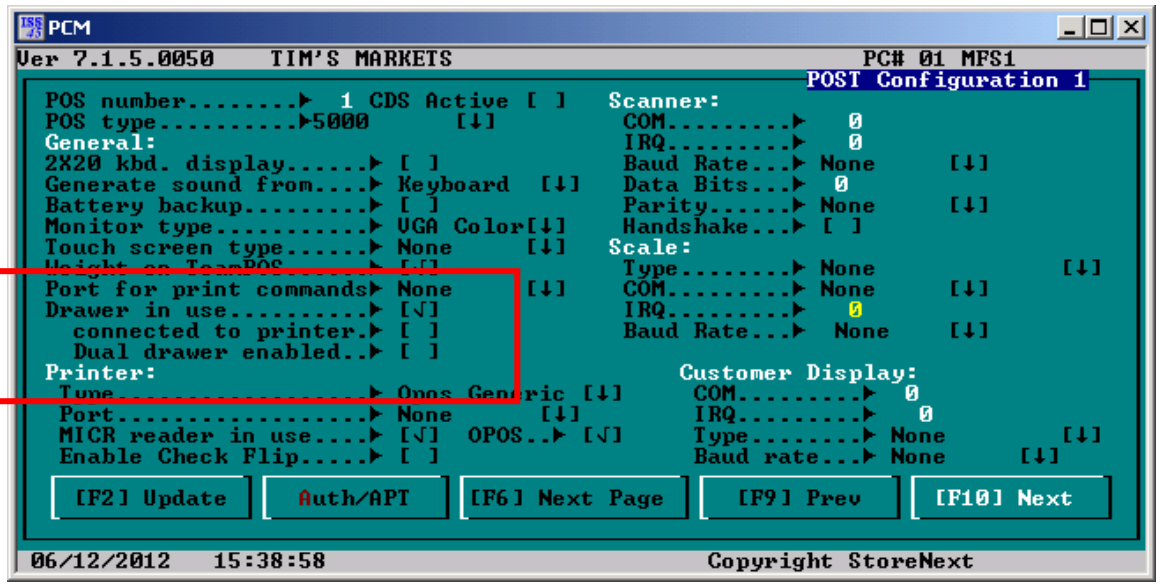
4. In ISS45 V8 Post Configuration screen's **E-Ticket - OPOS** tab, set the **OPOS Scale Driver Name** to **TableScale.**



Cash Drawer

ISS45 V7 Configuration

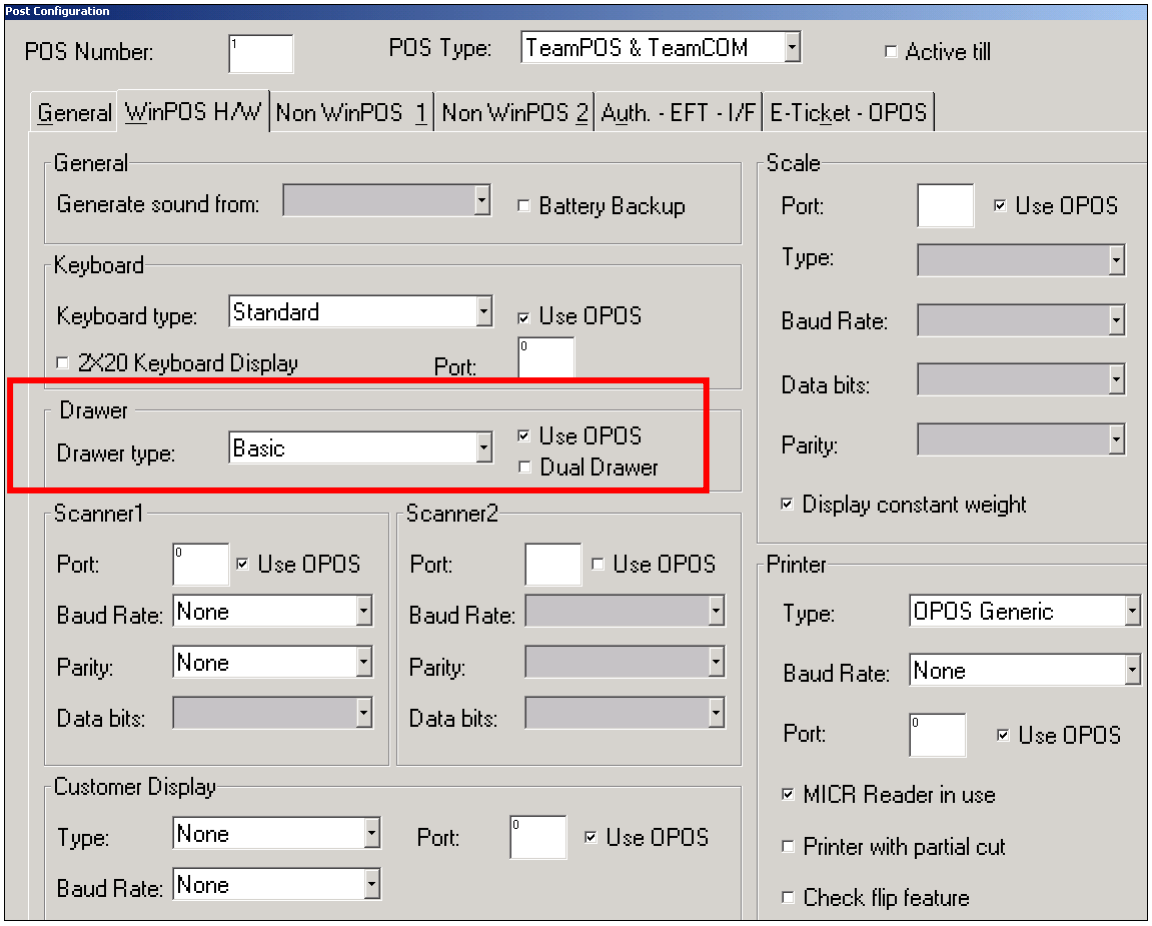
1. In ISS45 V7 POST Configuration Screen (6-1-4-1, **POST Configuration 1**), check **Drawer in use**:



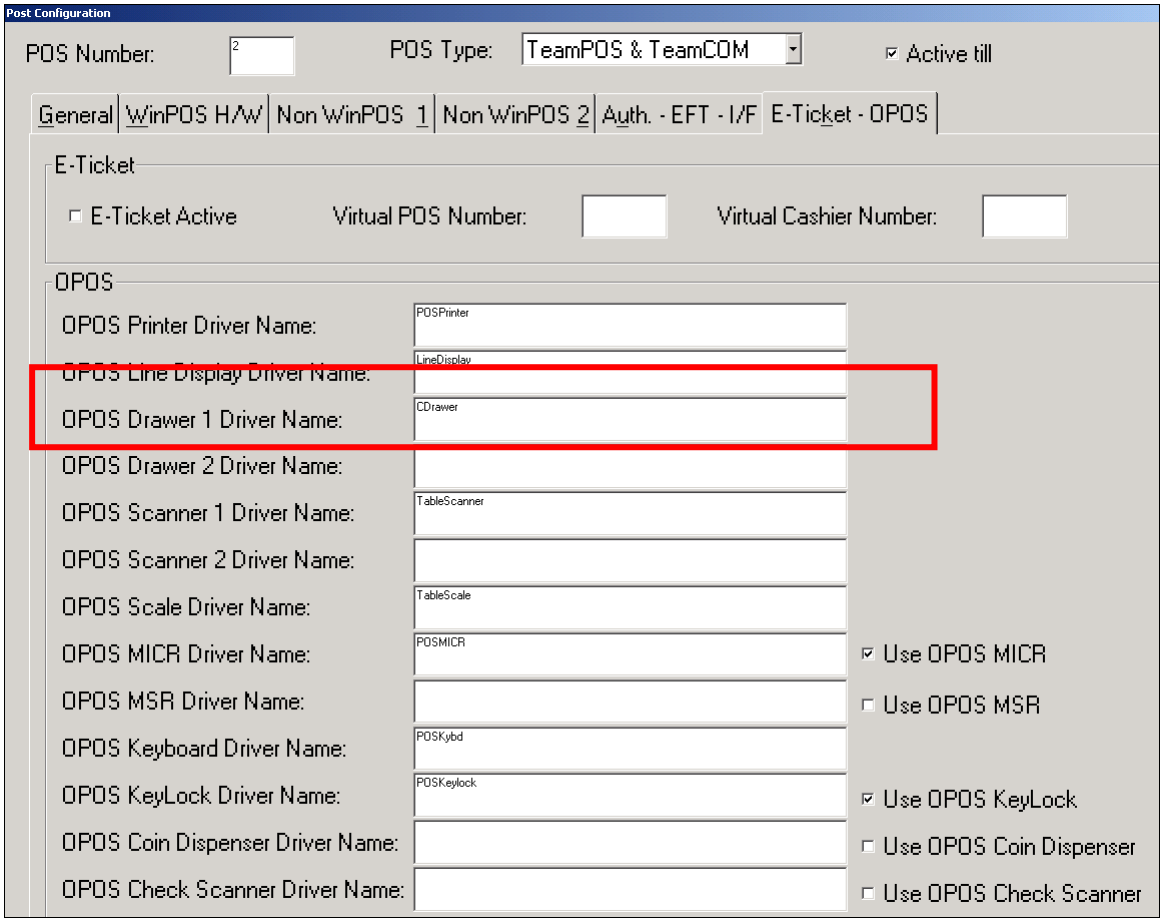
2. In the ISS45 V7 **WinPOS.ini** file, add the following two lines (using the case-sensitivity shown below):
   - OposDrawer=Yes
   - DefaultDrawer1Name=CDrawer

ISS45 V8 Configuration

1. In ISS45 V8 Post Configuration screen's **WinPOS H/W** Tab, set **Drawer Type** to **Basic** and check **Use OPOS**.



2. In ISS45 V8 Post Configuration screen's **E-Ticket - OPOS** tab, set the **OPOS Drawer 1 Driver Name** to **CDrawer.**



MSR and Key Lock

Note:

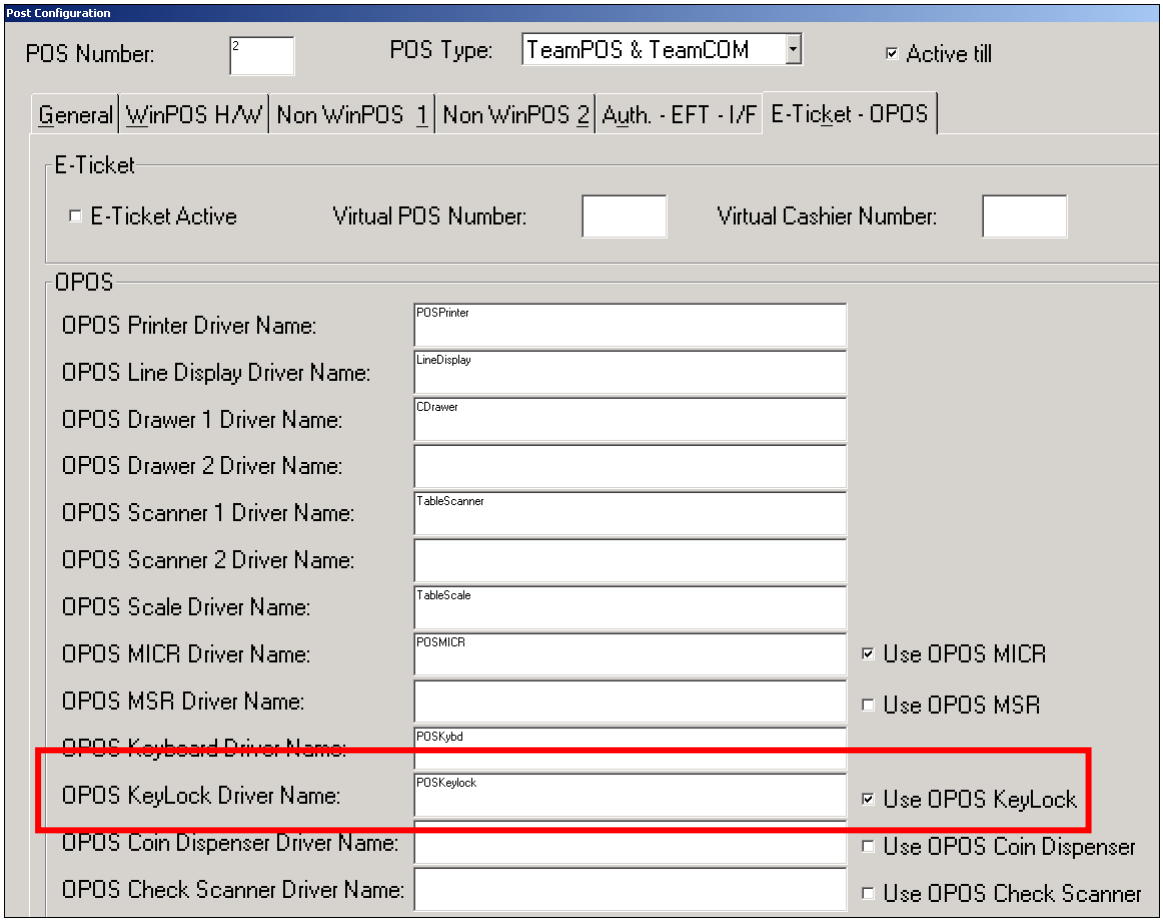
The Keyboard MSR is not supported on ISS45 because of the encryption requirement not met in the ISS45 software. Use a payment PIN Pad only with MTXEPS WinEPS.

ISS45 V7 Configuration

1. In the ISS45 V7 **WinPOS.ini** file, add the following two lines (using the case-sensitivity shown below):
   - OposKeyLock=Yes
   - DefaultKeyLockName=POSKeylock

ISS45 V8 Configuration

1. In ISS45 V8 Post Configuration screen's **E-Ticket - OPOS** tab, set the **OPOS KeyLock Driver Name** to **POSKeylock** and check **Use OPOS KeyLock**.



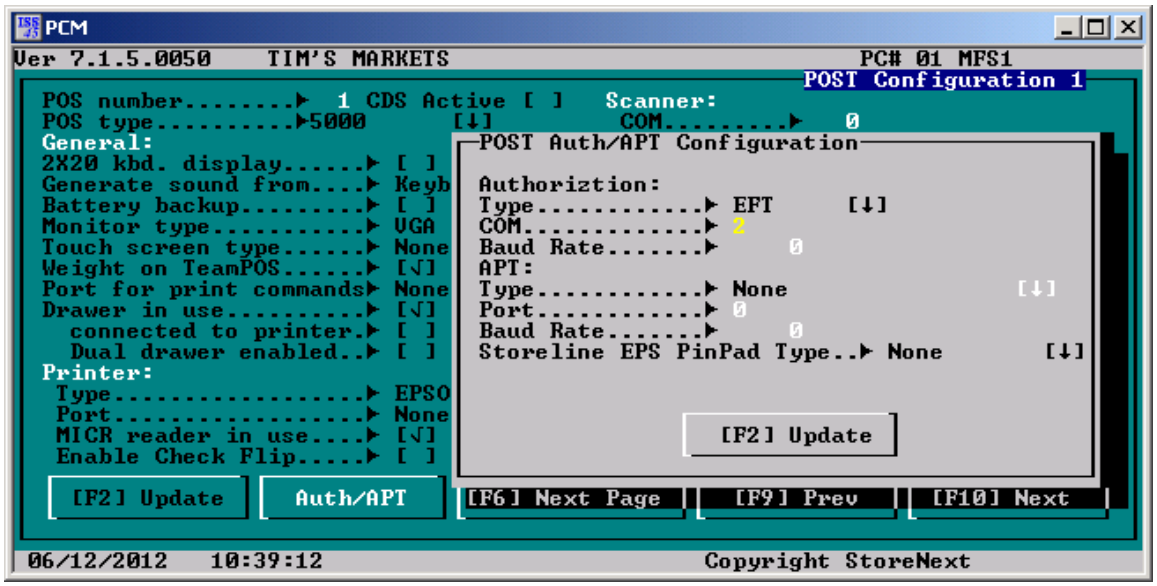
HyperCom 4100/4150/4250 USB Pin Pad

Note:

This setup is only for setting up the HyperCom 4100/4250 when using the USB connection. The RS232 setup is the same as before.

ISS45 V7 Configuration

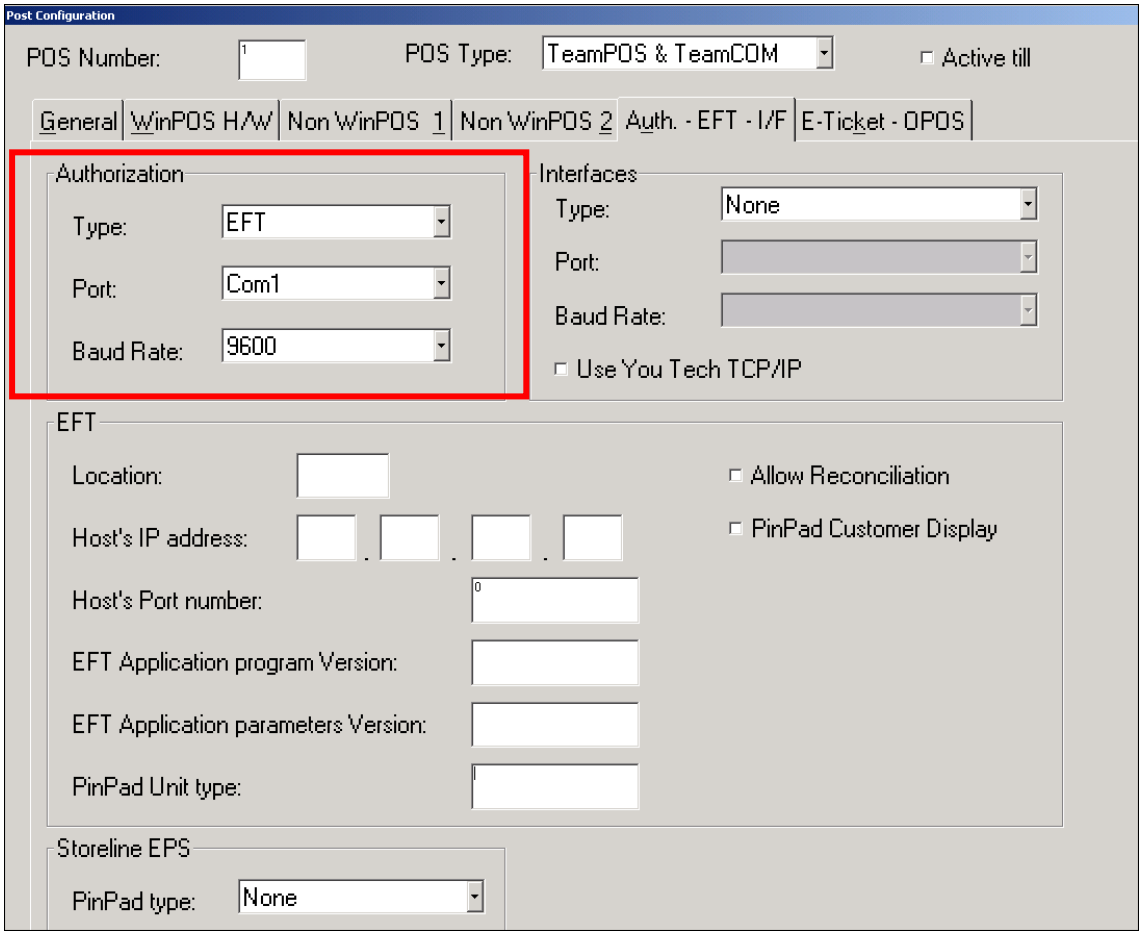
1. In ISS45 V7 POST Configuration Screen (6-1-4-1, **POST Configuration 1**), click on the **Auth/APT** button to bring up the **POST Auth/APT Configuration** screen:



2. Set the Authorization **Type** to **EFT.** The **COM** needs to be a number in the range of **1-4** to activate the USB Pin Pad. A blank or 0 value will not work. (Use 2 if unsure).

ISS45 V8 Configuration

1. In ISS45 V8 Post Configuration screen's **Auth – EFT – I/F** Tab, set Authorization **Type** to **EFT**, **Port** set a number in the range of **Com1 – Com4** to activate the USB Pin Pad. (**None** will not work.)



Further installations

Scope of this document

- This document is not intended to cover past this point of the installation of the SurePOS.
- Installation of Payment systems, etc., are handled exactly the same as they are on any other terminal.
- As a final reminder, you may need to apply one of the patches (e.g. MTXEPS) to the ISS45 software load for configuration or updates.

Appendix A: Install VGA PCI Dual Display Adapter

If your system includes the VGA PCI Dual Display Adapter, contained in a separate box within the large over pack, perform the following steps.

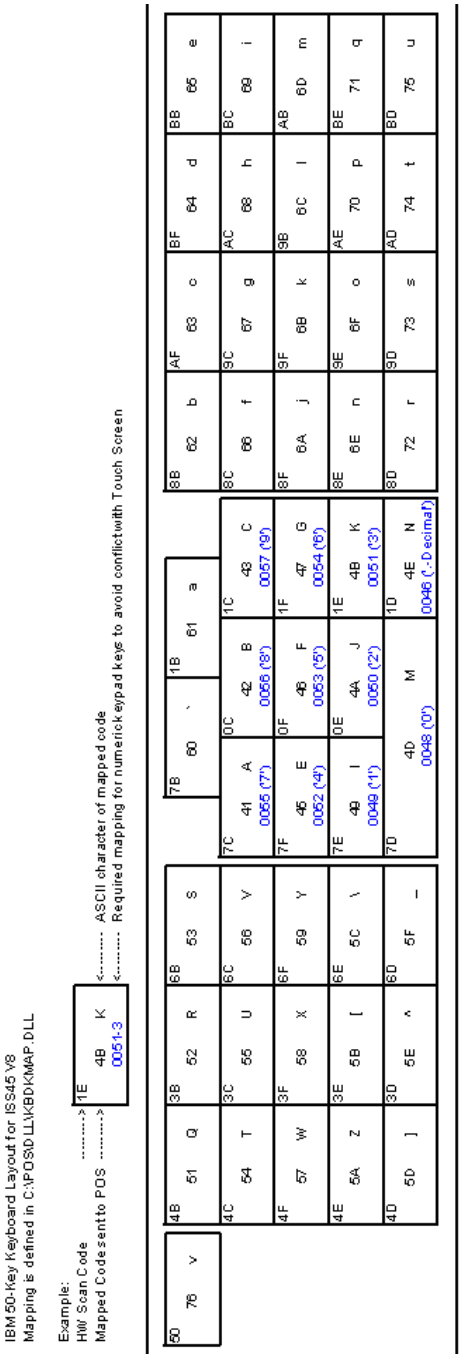
Make sure the SurePOS 350 power cable is NOT connected. Place the SurePOS 350 on a table and open the cover by removing three screws on the back of the top cover. Slide the cover towards the back of the unit until it clears the top front edge and lift it off.

Remove the PCI adapter slot cover from the back of the unit. Open the box with the Video Adapter and install the adapter in the PCI slot on the POS. Replace the holding screw for the adapter.

Reinstall the top cover by placing it on the top of the SurePOS, about an inch from the front of the unit. Slide the cover forward until it seats into place. Replace the three screws on the back of the top cover.

Return to the step to Put the Pieces Together

Appendix B: Keyboard layout for KBDKMAP.DAT file



Appendix C: Preparing POSReady 7 for ISS45 installation

Configure POSReady 7 on IBM350 for ISS45 POS

The IBM 350 comes preloaded with POSReady 7 and, after agreeing to the license agreement, it will auto logon as the Administrator, password posready71!.

Click Start, and type "**secpol.msc**" in the search area and hit Enter. In the left list, choose "**Local Policies**", then "**Security Options**".

In the right pane:

Set "**Interactive logon: Do not display last user name**" to **Enabled**.

Set "**Interactive logon: Do not require CTRL + ALT + DEL**" to **Disabled**.
Set "**User Account Control: Admin Approval Mode for the Built-in Administrator account**" to **Disabled.**

Set "**User Account Control: Behavior of the elevation prompt for administrators in Admin Approval Mode to Elevate without Prompting.**

Next double click the User Rights Assignment under Security Settings and double click "**Log on as a service"**, click Add User or Group, type in "Administrator" and click the Check Names button. Click Ok, click Apply (click Ok if an error occurs), click Ok and close secpol.msc.

Setting the Administrator's password.

Click Start and open Control Panel. Change View by: to small icons

Select ”User Accounts”.

Click “Change your Windows password”.

Click “Create a password for your account”.

Enter old and new password information. (The default password is posready71!. Make the password the same as the administrator password on the Server.

Enter hint if so desired. Click Change password. **Do not forget this password or you may have to reinstall Windows 7!**

You should be back at the “Make changes to your user account” screen. If desired, select “Create a password reset disk” and follow the screen prompts.

Turn off User Account Control (UAC) while you are at the “Make changes to your user account” screen.

Click the “Change User Account Control setting selection.

Move the slider to Never notify and click OK.

Close the Control Panel.

Reboot and log back in as the Administrator with the new password.

Click Start and open Control Panel. Change View by: to small icons if not already set.

Under Windows Update.

Click Change Settings.

Click the drop down arrow and select Never check for updates.

Click OK.

Return to the main Control Panel.

Click Power Options.

Click the down arrow by the Show additional plans.

Click High Performance.

Click Choose what the Power Buttons do.

Click the drop down arrow next to When I press the power button.

Select Shut down.

Click Save Changes.

Return to the main Control Panel.

Click Network and Sharing Center.

Click Change adaptor settings.

Right click the Local Area connection and click Properties.

Click the Configure button, verify/set that all options under Power Management are unchecked.

Click OK.

Right click the Local Area connection and click Properties.

Highlight Internet Protocol Version 4 and click Properties. Fill in the IP address information. Click OK. Click Close.

Return to the Network and Sharing Center.

Click Change advanced sharing settings. Ensure that the option Turn on network discovery and Turn on file and printer sharing are turned on. Scroll down and turn off Password protected sharing.

Click Save changes.

Return to the Control Panel.

Click Date and Time.

Set the time zone, date and time.

Uncheck Notify me when the clock changes

Click Internet Time (Synchronize with an Internet Time Server is on by default).

Click Change settings.

Uncheck Synchronize with an Internet time server.

Click Ok.

Click Apply, Click Ok

Return to the Control Panel.

Click Action Center.

Change Action Center settings.

Uncheck any items, i.e. Windows Update, Firewall, etc. that you don't want Windows to pop notification messages. (Recommended to uncheck all)

Click OK.

Return to Control Panel.

Click Windows Firewall.

Click Turn Windows Firewall on or off.

Turn off both private and public firewall options.

Click Ok.

Return to Control Panel.

This step is optional. If any screen drawing/refresh issues are seen the make the following change:

Click Display.

Select Adjust Resolution and set to 800 X 600.

Click Apply.

Click to keep changes.

Click through warnings.

Close the Control Panel.

If the computer name or workgroup name needs changed, click System.

Click Advanced system settings.

Under the Computer name tab, domain and workgroup settings, click Change setting. If prompted for a reboot, accept and let the system reboot to update its settings.

POSReady 7 should now be ready for software installation.

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