



- *ISS45 Version 8 Installation Guide*
- *NCR 7611 POS Terminal*
- *(RealPOS 50)*
- 
- 



## ISS45 V8 Installation Guide – NCR POS Terminals

Date of Issue	Product ID	Part Number	Brief Description
April 2013	45001/032	89000760	RealPOS 60 / RealPOS 82XRT
December 2013	45001/032	89000795	RealPOS 60 / RealPOS 82XRT v2
February 2014	45001/032	89000800	RealPOS 60 / RealPOS 82XRT v3
February 2014	45001/032	89000802	RealPOS 40 Release 2
January 2015	45001/032	89000820	RealPOS XR7
April 2015	45001/032	89000828	RealPOS 25 Release 2
May 2015	45001/032	89000831	RealPOS 50 Release 2

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## **Configure Bios and POSReady 7 on NCR RP50 (7611) POS for ISS45 V8**

Check the BIOS settings (press Delete on boot up to enter SETUP) to ensure that the Network : PCI LAN Realtek PXE B01 D00 is Disabled and under Boot Priority Order that the 1<sup>st</sup> device is set to the HDD. If the Network boot is enabled, the boot time of the POS will be considerably longer.

The NCR RP50 (7611) comes preloaded with POSReady 7 SP1. For the out-of-box setup, only attach the keyboard and mouse. After initial power on, a Set Up Windows screen will appear. Verify or select the correct Country or region, Time and Currency and Keyboard layout. Click Next.

Enter a computer name, i.e., NCR\_Lane1. Click Next.

Accept the license terms. Click Next.

Review your time and date settings screen. Select your time zone. Set the date and time.

Windows will now finalize your settings and reboot.  
The POS will auto login as user NCR and password NCR.

Windows Settings:

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

In the right pane:

Set "**Accounts: Administrator account status**" to **Enabled**.

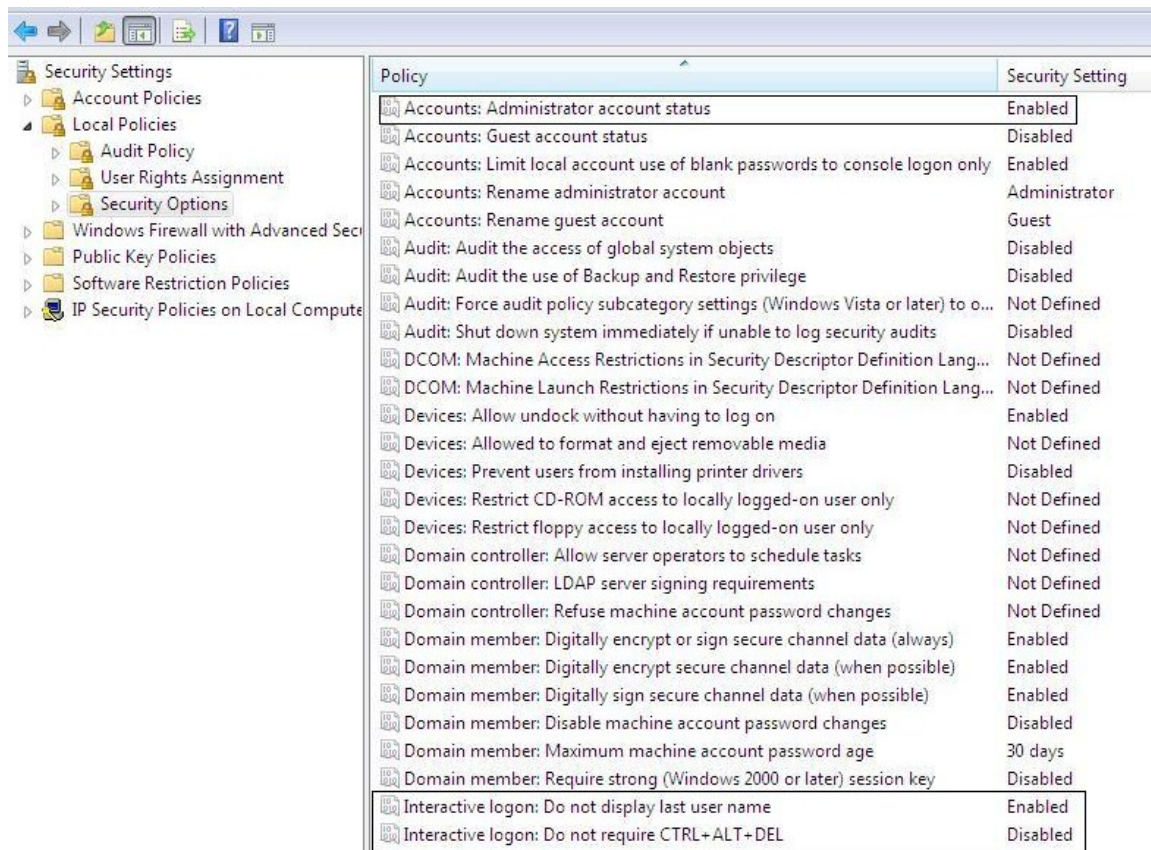
Set "**Interactive logon: Do not display last user name**" to **Enabled**.

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**.

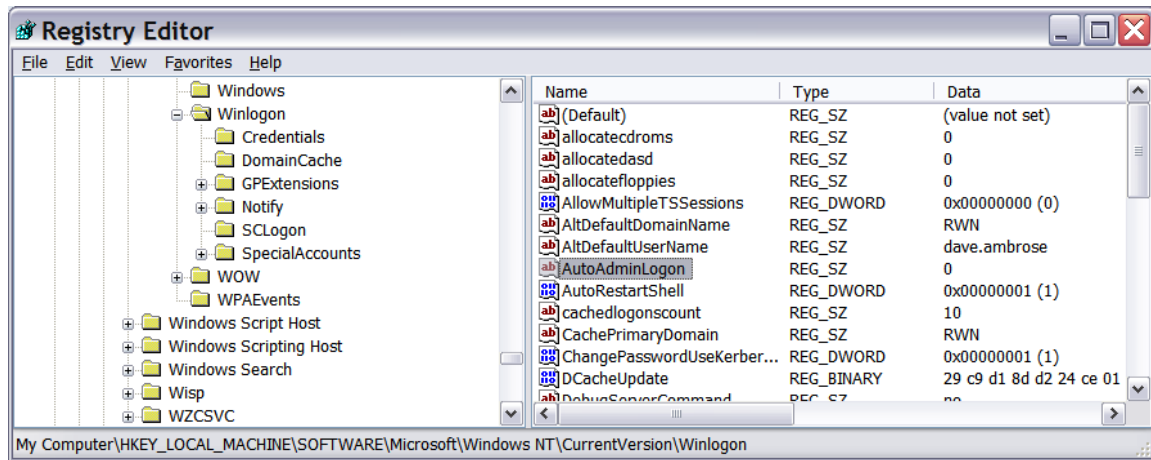
## Installing ISS45 on the NCR RP50 (7611) using POSReady 7



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.

## Installing ISS45 on the NCR RP50 (7611) using POSReady 7

Disable auto login. Run Regedit and go to  
HKEY\_LOCAL\_MACHINE\Software\Microsoft\Windows  
NT\CurrentVersion\Winlogon and set the AutoAdminLogon value to 0.



Log off and log back in as the Administrator (No password required yet).

Setting the Administrator's password.

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

Select "User Accounts".

Click "Create a password for your account".

Make the password the same as the administrator password on the Server.

Enter hint if so desired. Click Create 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.

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.

## Installing ISS45 on the NCR RP50 (7611) using POSReady 7

Optional – Default settings will cause the monitor to turn off after 15 minutes of inactivity. You can change this by going to Change Plan Setting and adjust display options.

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. Do this for both the Home or Work and Public sections.

Click Save changes.

Return to the Control Panel.

Click Date and Time.

Uncheck Notify me when the clock changes

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.

Click Display.

Select Adjust Resolution and set to 800 X 600 on all monitors.

Click Apply.

Click to keep changes.

Click through warnings.

Click OK

## Installing ISS45 on the NCR RP50 (7611) using POSReady 7

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.

Note: For security reasons, you may want to delete the NCR users.

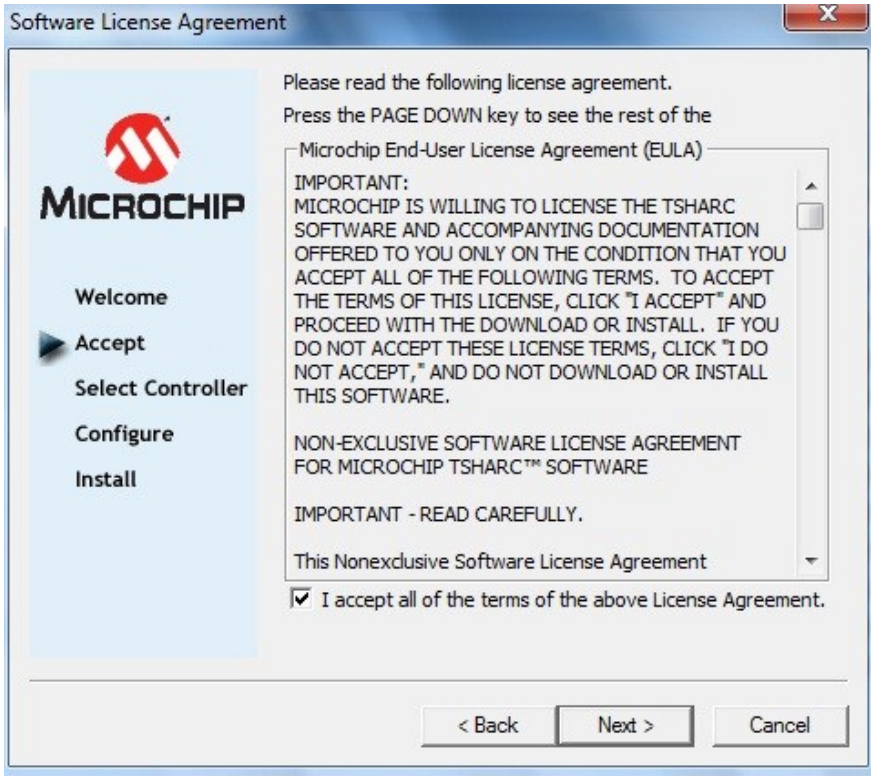
POSReady 7 should now be ready for software installation.

The NCR RP50 (7611) all-in-one touch screen design already has the Touch Driver installed (6.45) however you should uninstall and install the latest which at this time of this writing is Microchip TSHARC version 7.09.

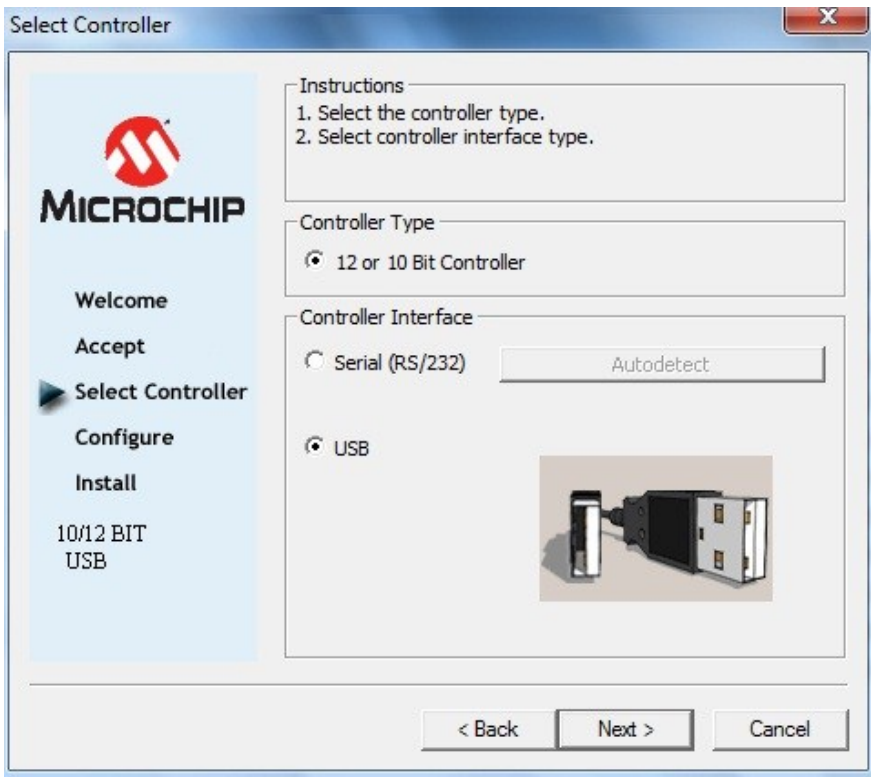


Launch the TSHARC from the start Menu.

# Installing ISS45 on the NCR RP50 (7611) using POSReady 7

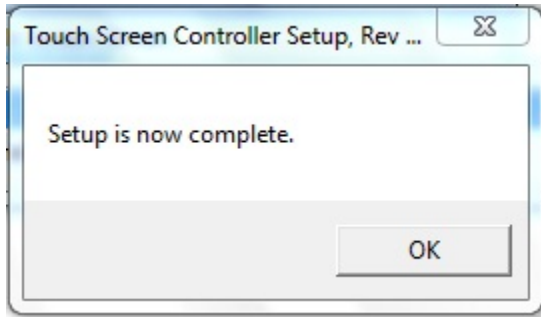


Click "I accept..." and select NEXT.

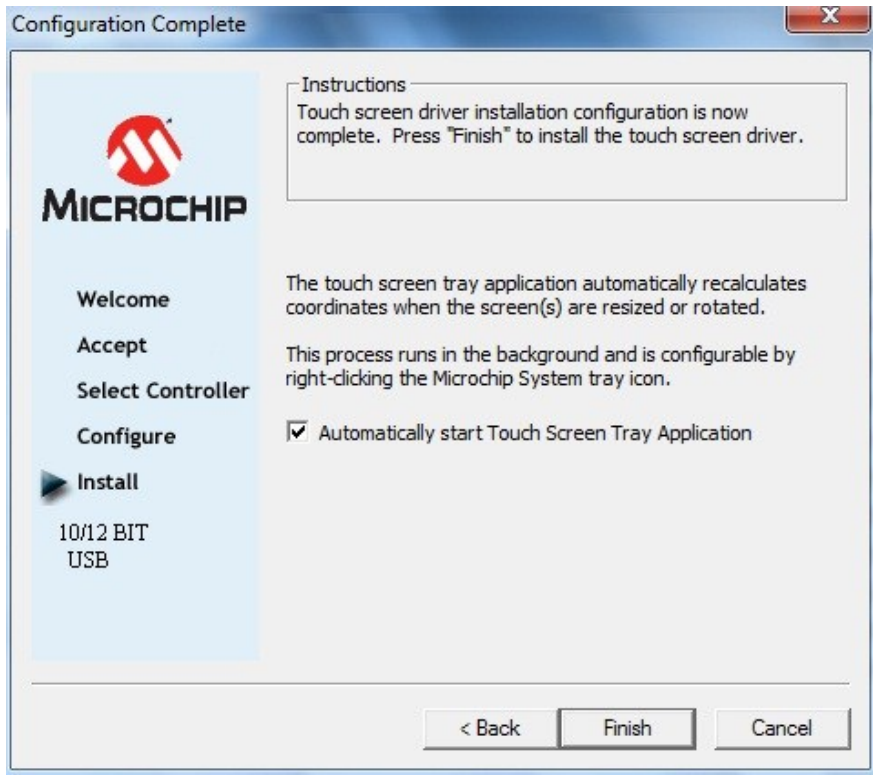


Select NEXT.

## Installing ISS45 on the NCR RP50 (7611) using POSReady 7



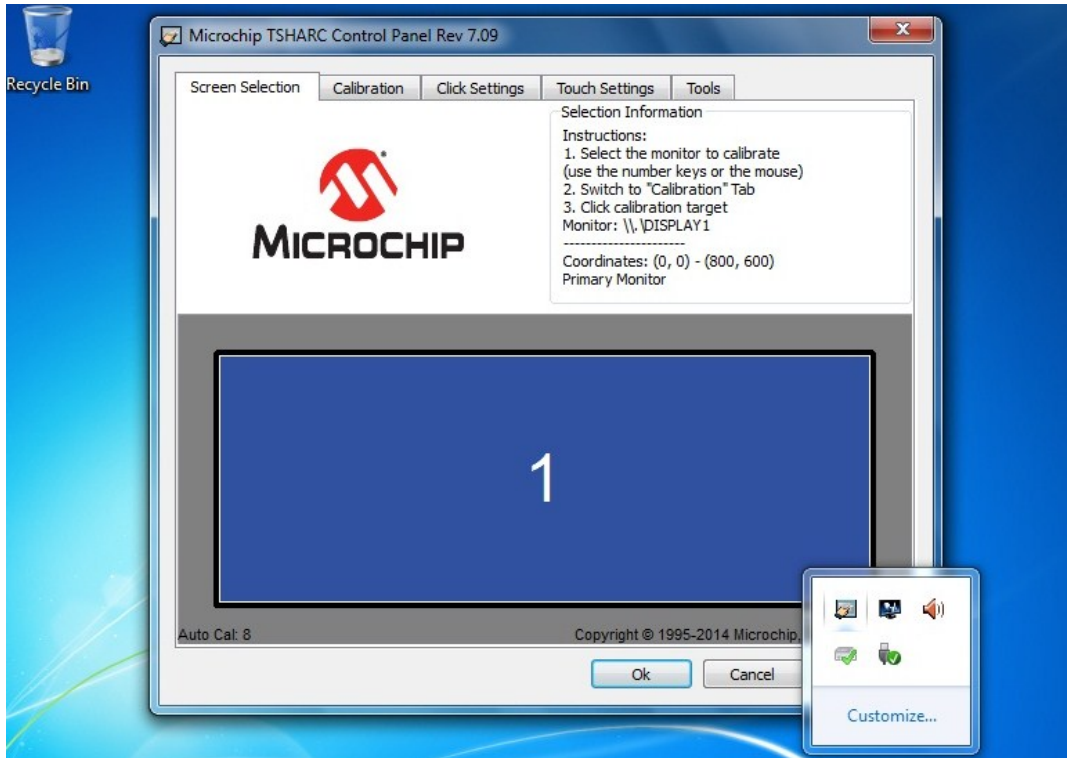
Select OK.



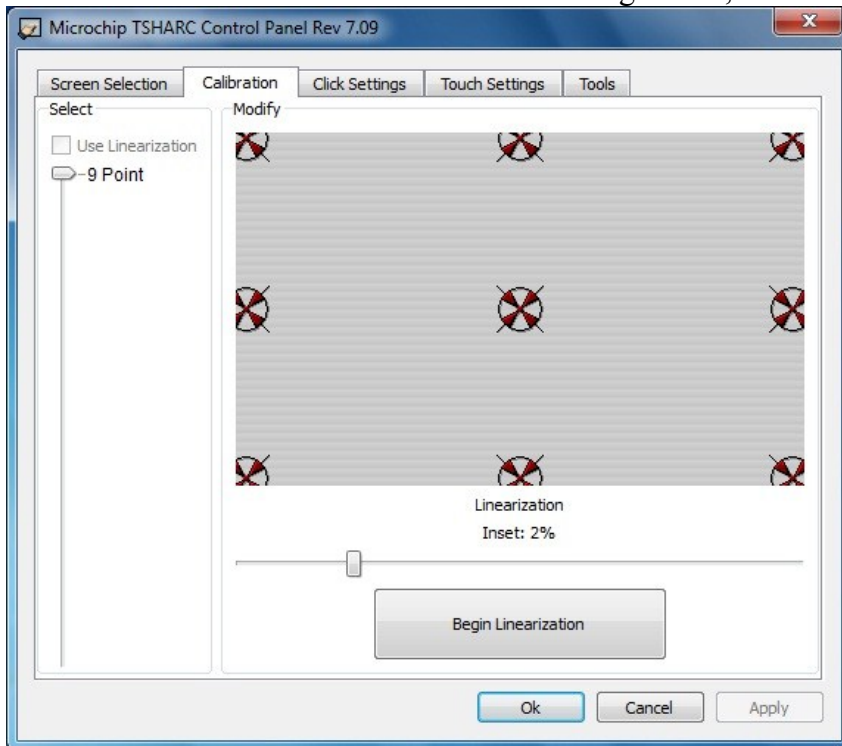
Select FINISH.

## Installing ISS45 on the NCR RP50 (7611) using POSReady 7

On the right side of the Taskbar select and double click the Display Control Panel icon and select the monitor to be calibrated. If using 2 monitors it will be necessary to calibrate both.

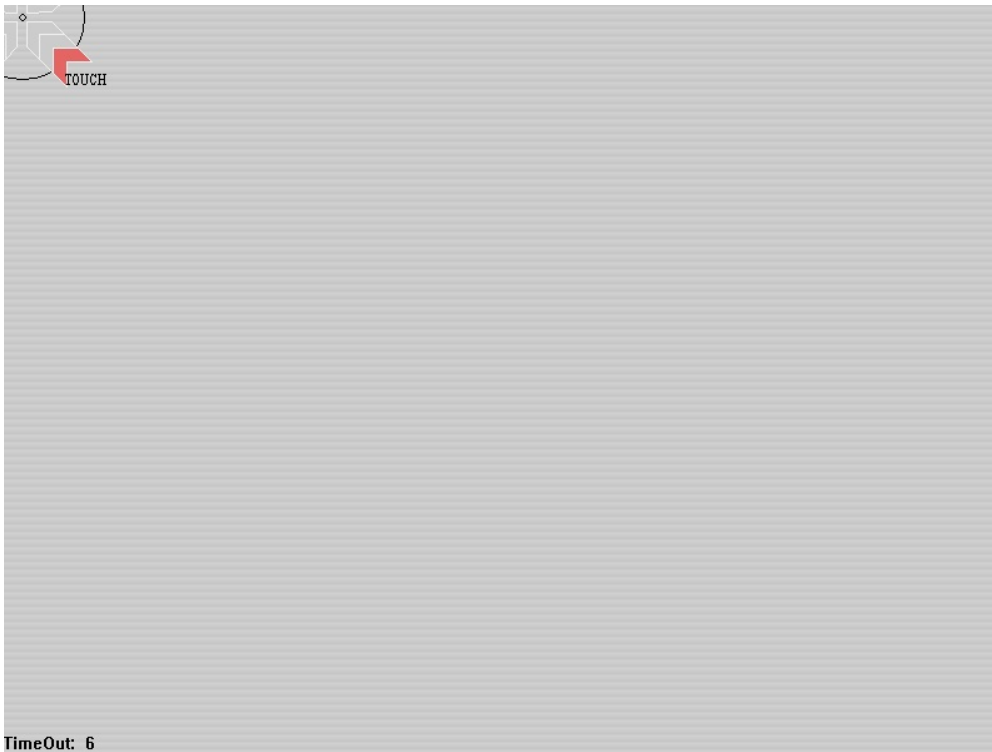


Click on the Calibration tab and on the following screen, Click Begin Linearization



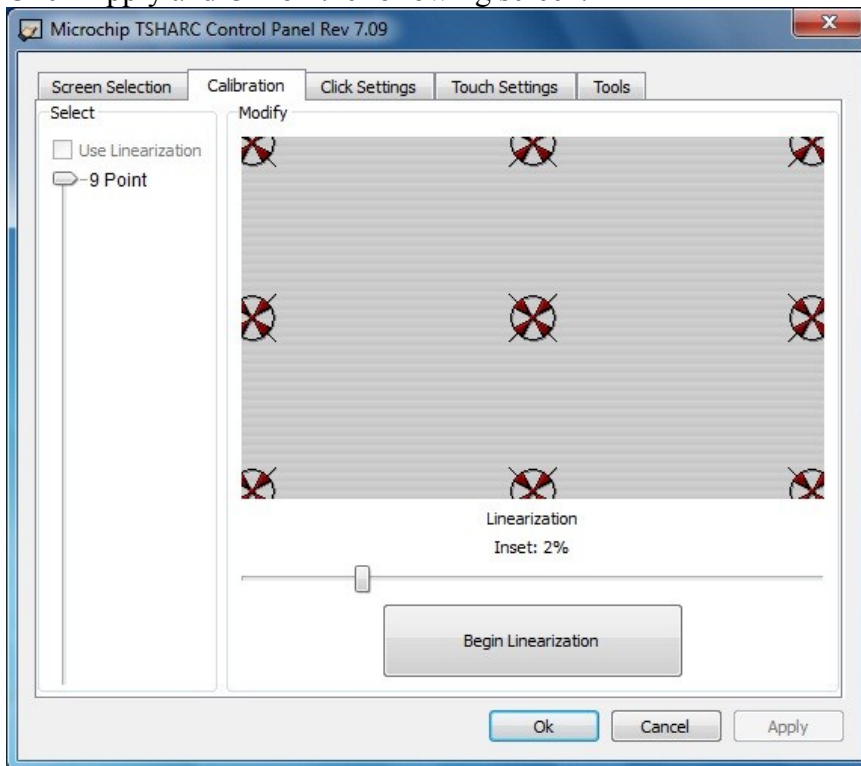
## Installing ISS45 on the NCR RP50 (7611) using POSReady 7

Follow the screen instructions on the following page. BE SURE NOT TO TOUCH THE SCREEN when instructed not to.



TimeOut: 6

Click Apply and OK on the following screen.



Screen calibration is completed.

Installing ISS45 on the NCR RP50 (7611) using POSReady 7

**Install NCR Retail Platform Software for Windows (OPOS).**

Obtain the Retail Platform Software for Windows version 4051.zip from the Retailix Channel Partners website. Create the folder RPSW under C:\Install\Drivers and copy the install files to that folder. Also download the V8NCROPOS.REG and place in the RPSW folder as well.

Right Click the Retail Platform Software for Windows exe and Click Run as administrator.

The installation starts.

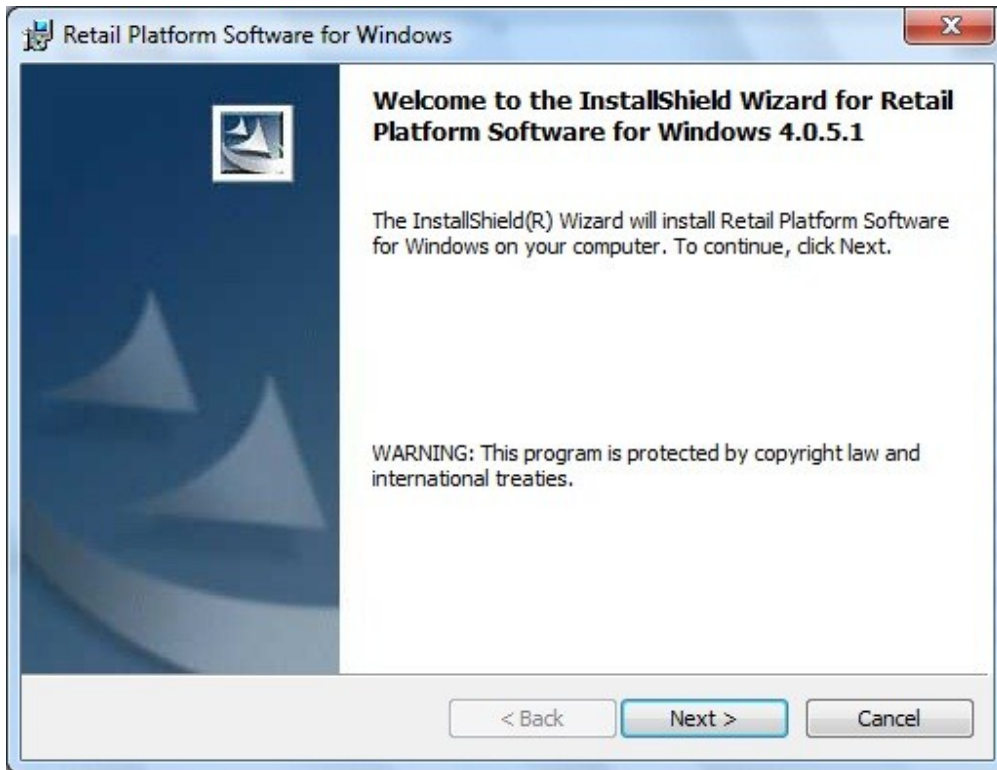


## Installing ISS45 on the NCR RP50 (7611) using POSReady 7

The machine type is detected. Click Confirm (don't change the other drop downs).



Click Next at the Welcome screen.

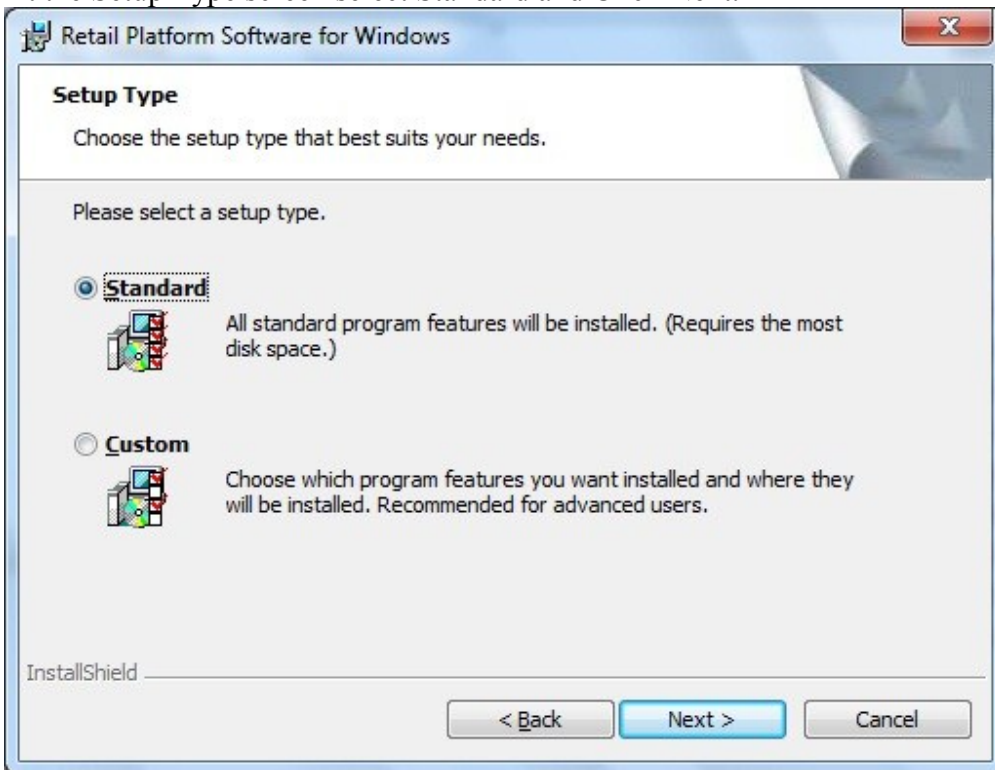


## Installing ISS45 on the NCR RP50 (7611) using POSReady 7

Click the I accept the terms ..... box and click Next.

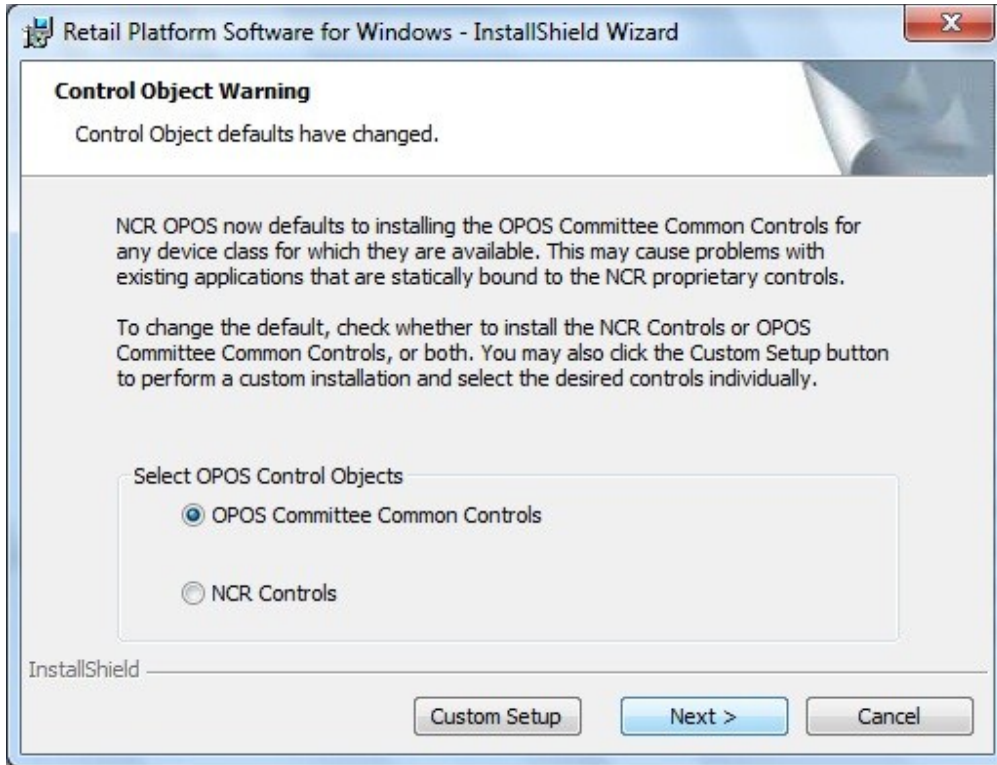


At the Setup Type screen select Standard and Click Next.

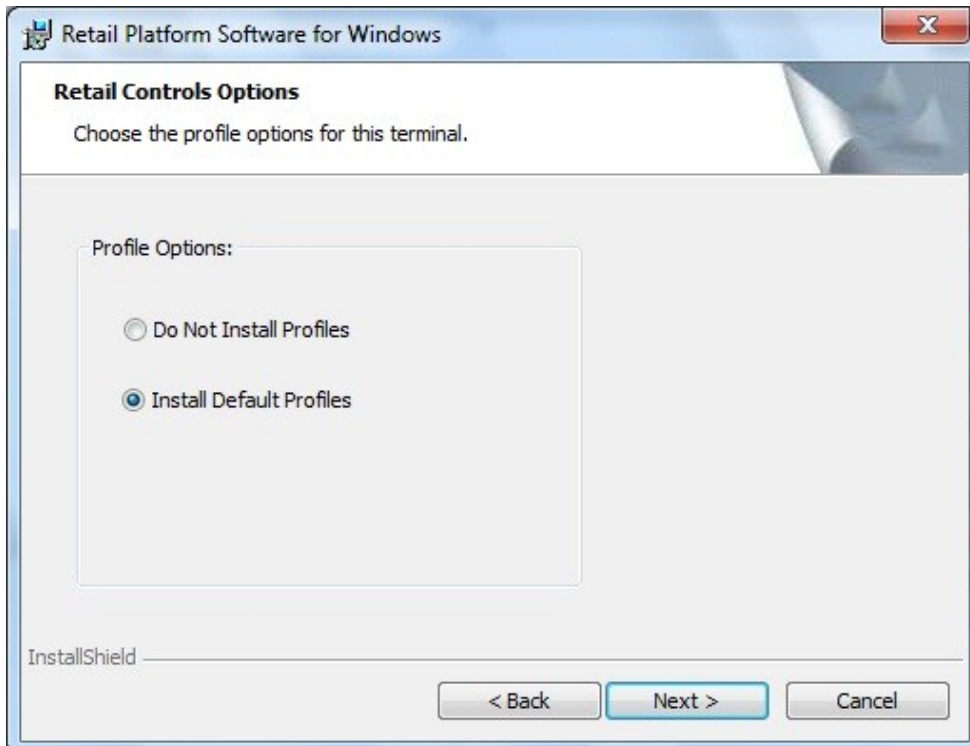


## Installing ISS45 on the NCR RP50 (7611) using POSReady 7

At the Control Object Warning screen select OPOS Committee Common Controls and click Next.

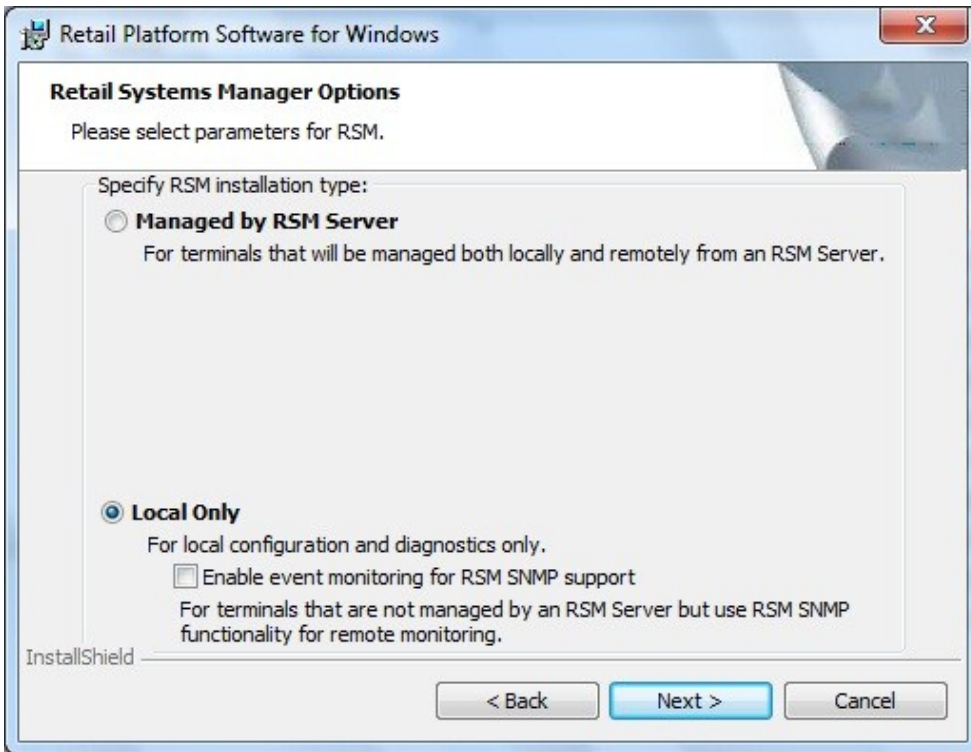


At the Retail Control Options screen select Install Default Profiles and click Next.

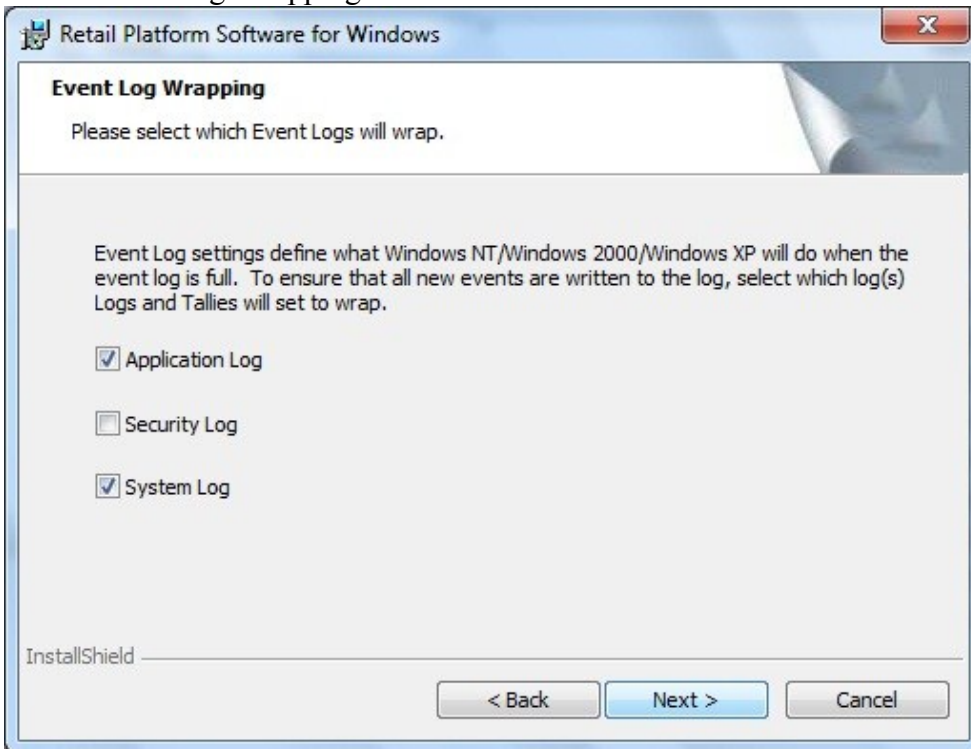


## Installing ISS45 on the NCR RP50 (7611) using POSReady 7

At the Retail Systems Manager Options screen select Local Only and click Next unless you are using a RSM server for remote management, in which case choose Managed by RSM Server and answer the additional questions on the screen.



At the Event Log Wrapping screen click Next.

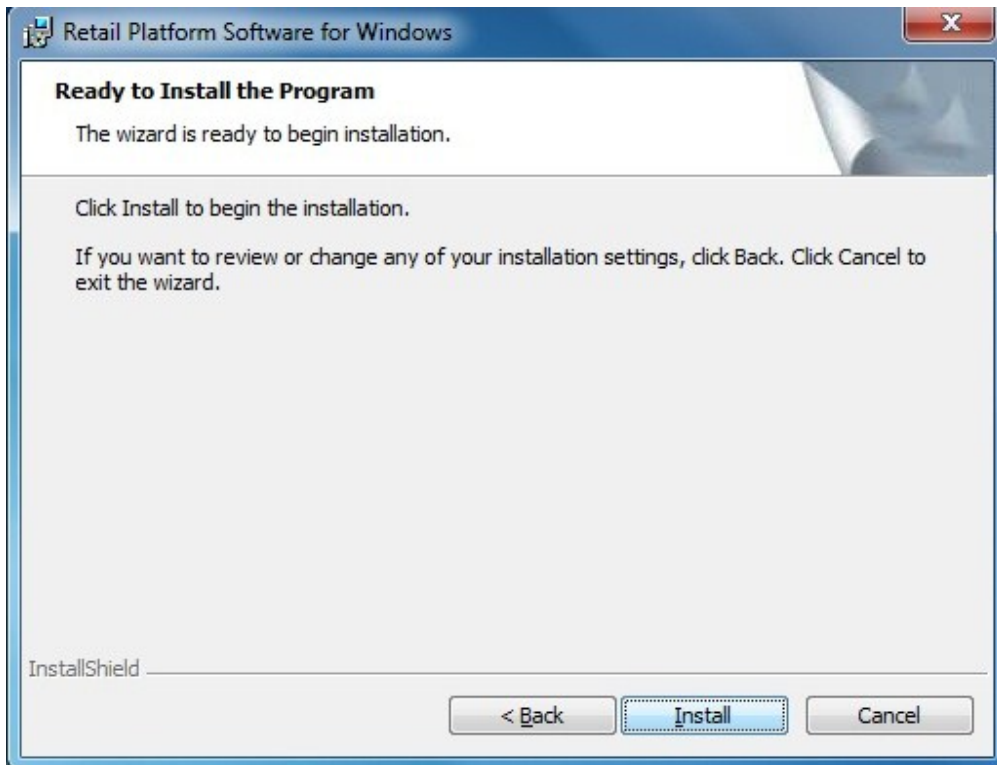


## Installing ISS45 on the NCR RP50 (7611) using POSReady 7

At the Security Setting Options screen select Modify security settings and click Next.

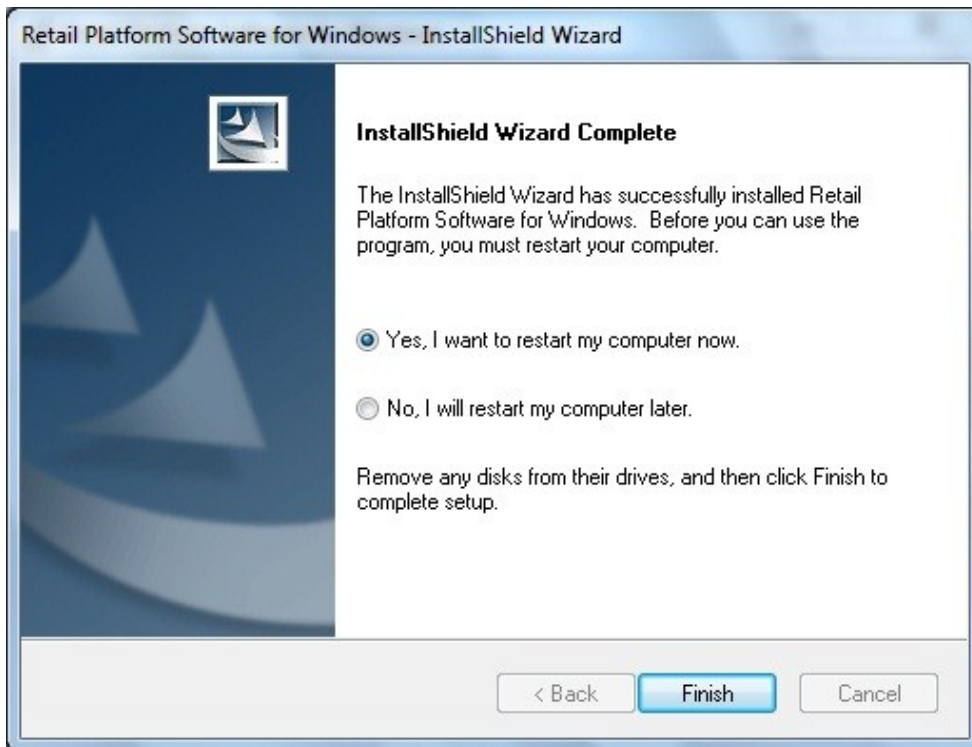
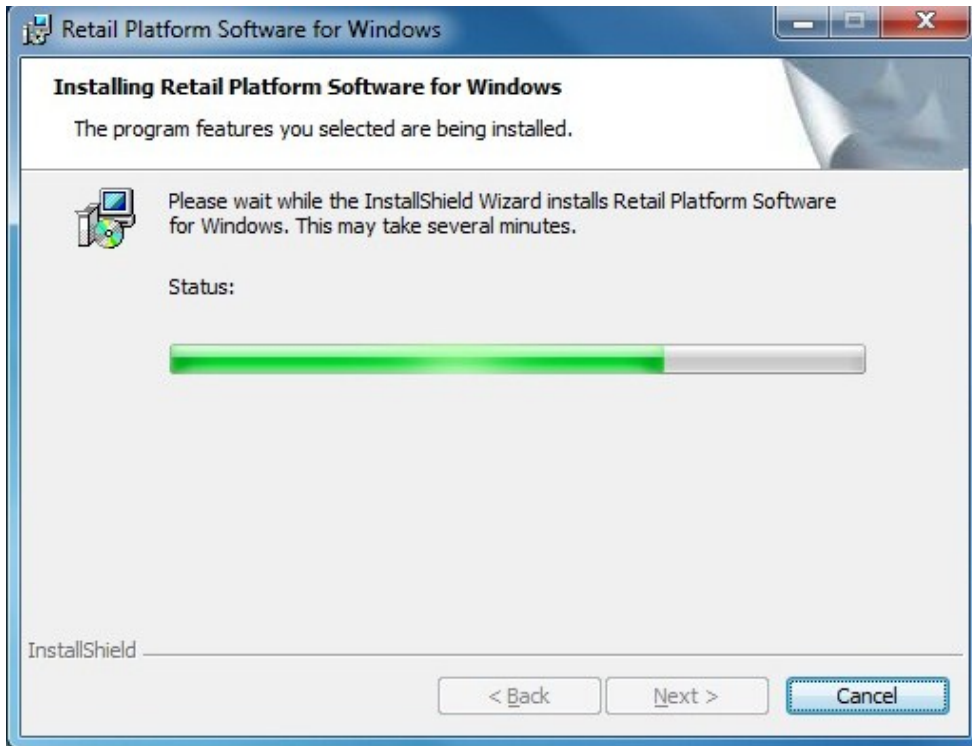


At the Ready to Install the Program screen click Install.



## Installing ISS45 on the NCR RP50 (7611) using POSReady 7

RSM is installed.



Click Finish.

## Installing ISS45 on the NCR RP50 (7611) using POSReady 7

At this point attach the USB devices, i.e., POS printer, scanner. The Cash Drawer is to be plugged into the Cash Drawer port on the RP50 (7611) motherboard regardless of which printer is used.

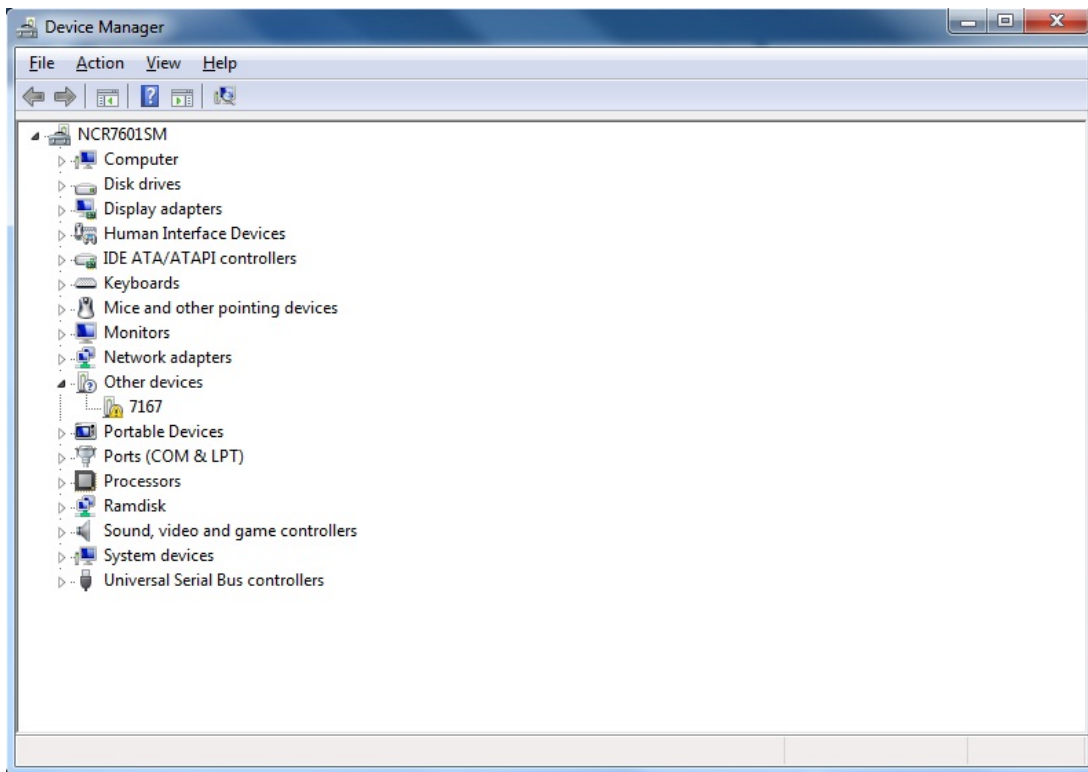
At the restart message box click Yes.  
At the completed screen click Finish.

After reboot, logon as administrator.

Don't attempt to setup your devices at this point. That will be explained later in this document.

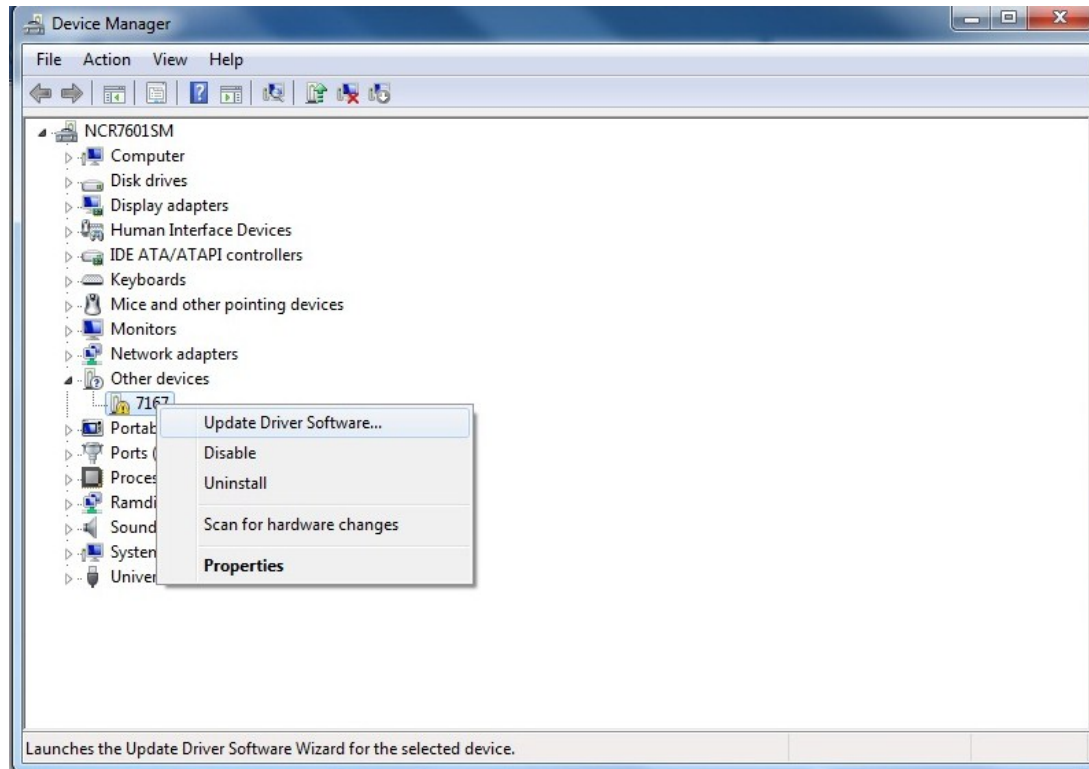
Installing NCR printer drivers (IONetworks). If you are using an Epson TM-6000III/IV USB printer, install the Epson OPOS and set up the printer via the Epson utility.

Click Start and go to the Control Panel. Click Device Manager.

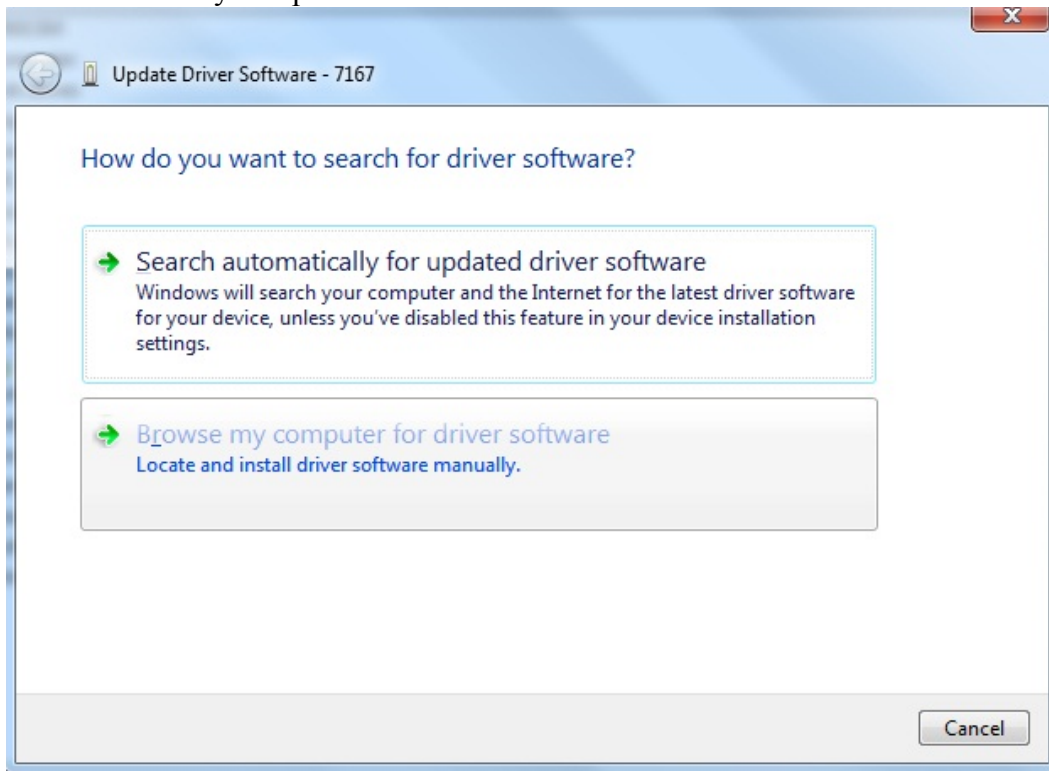


Under Other devices right click the device, i.e., 7167, with the yellow exclamation and click Update Driver Software.

## Installing ISS45 on the NCR RP50 (7611) using POSReady 7

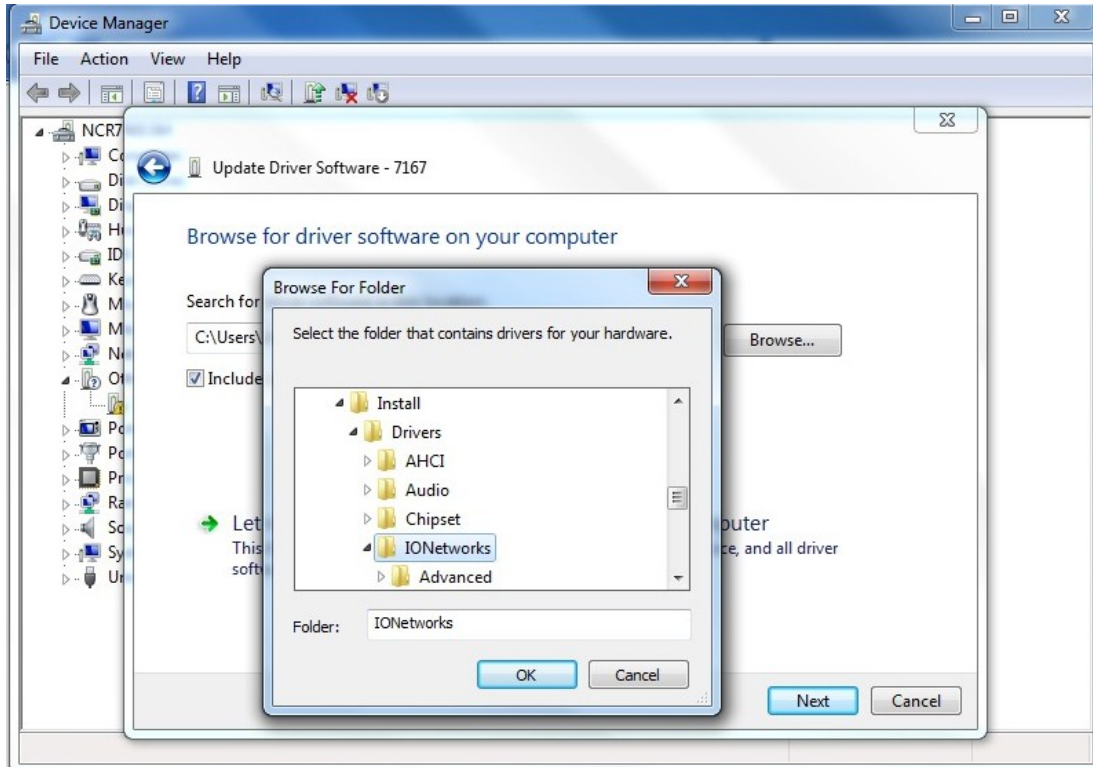


Click **Browse my computer** for driver software.

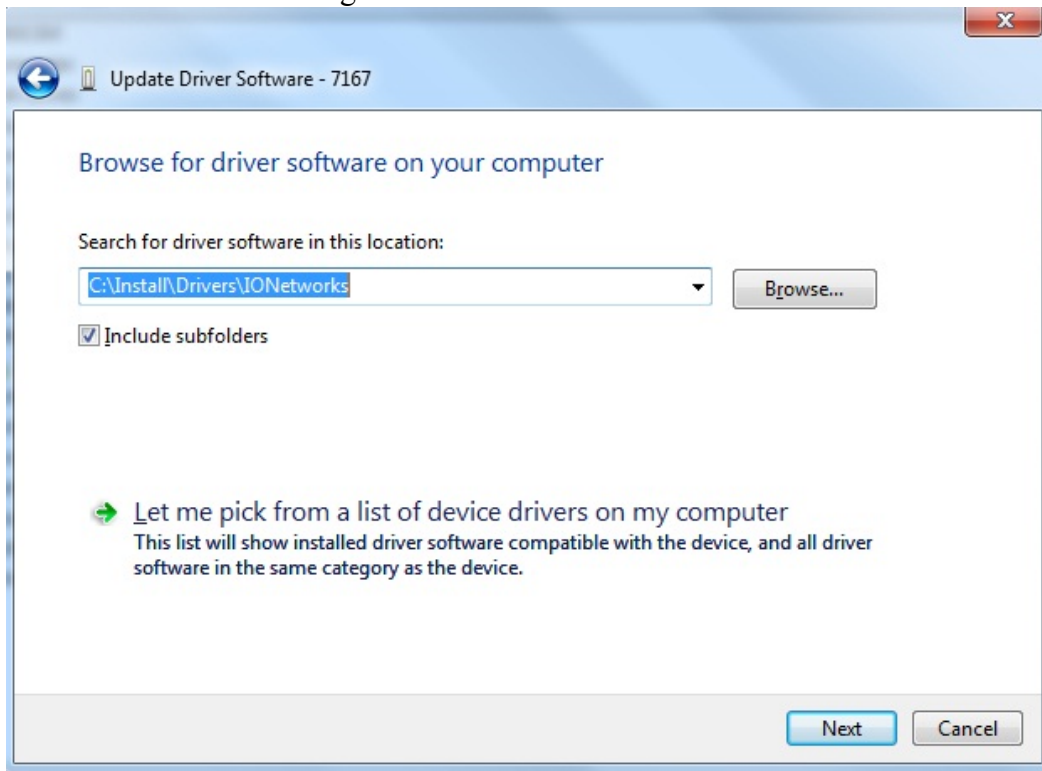


Browse to **C:\Install\Drivers\IONetworks** and click **OK**.

## Installing ISS45 on the NCR RP50 (7611) using POSReady 7

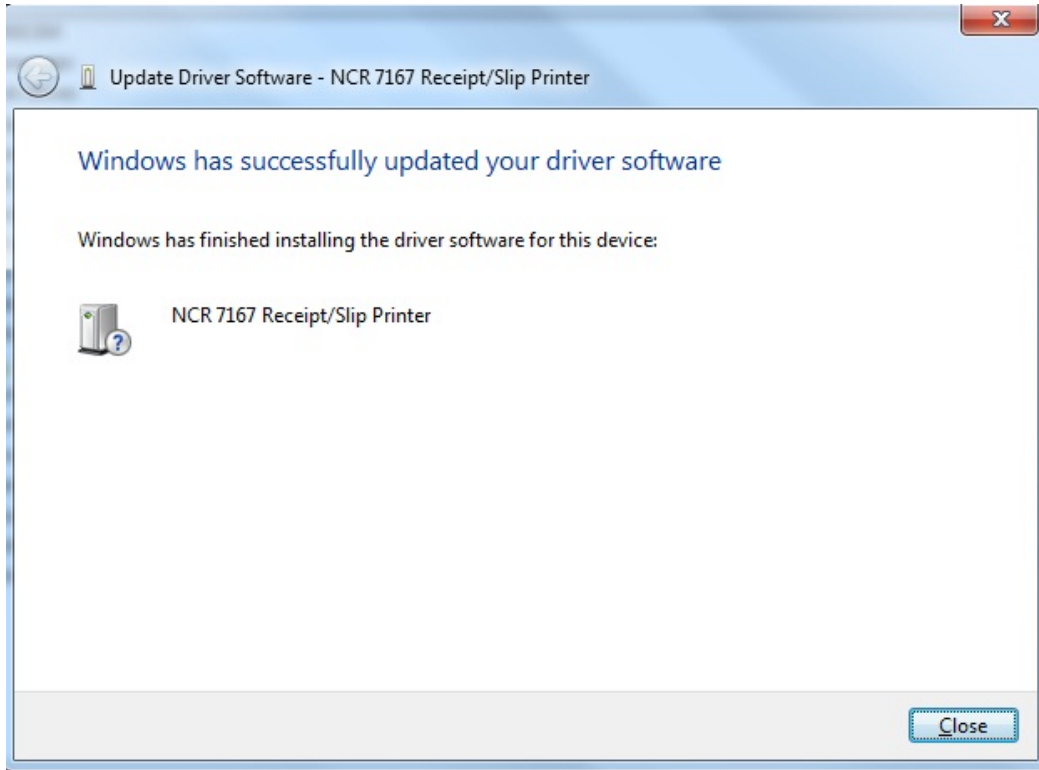


Click Next at the following screen.

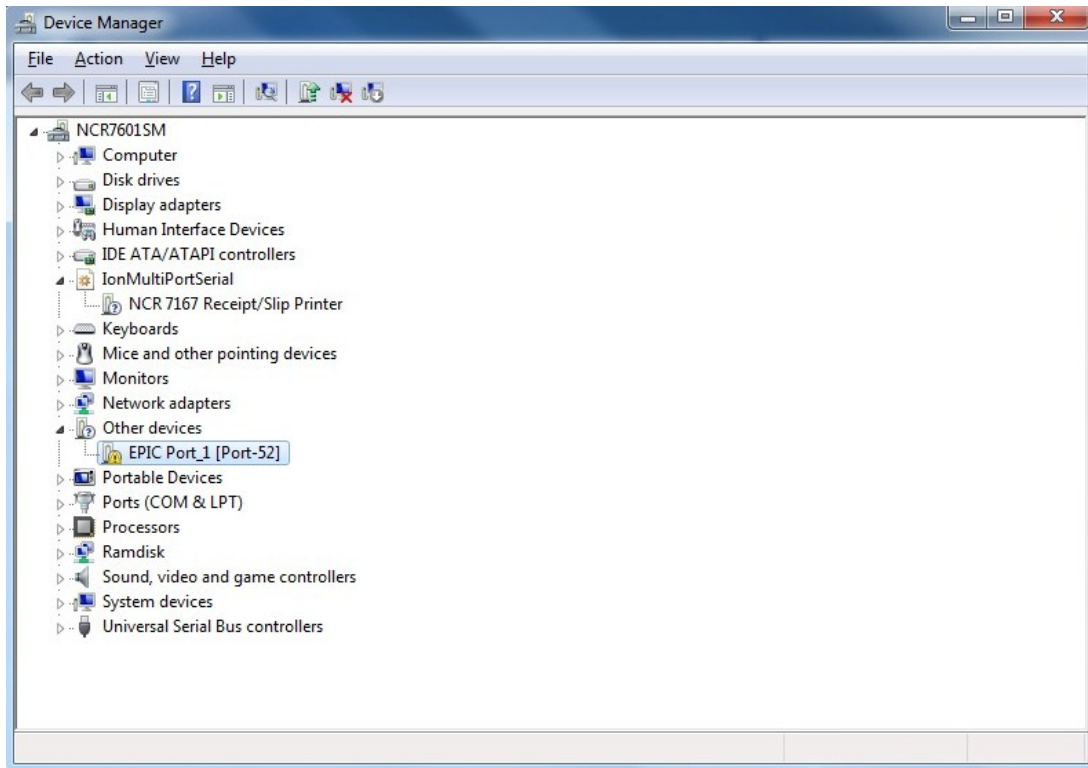


At the following screen click Close.

## Installing ISS45 on the NCR RP50 (7611) using POSReady 7



Go back to Device Manager and repeat the same steps for the EPIC Port device.



Close Device Manager and Control Panel.

## Installing ISS45 on the NCR RP50 (7611) using POSReady 7

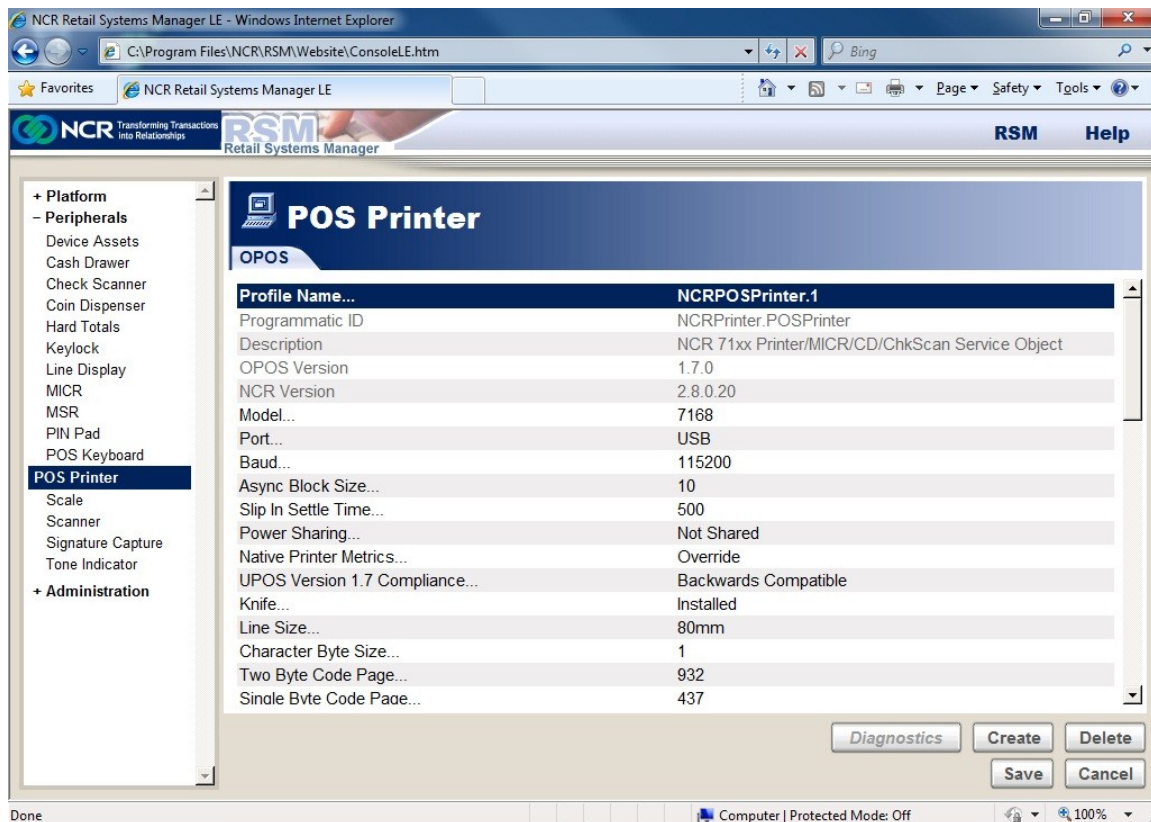
From the C:\Install\Drivers\RPSW folder on the POS and double click V8NCROPOS.reg  
This will install the Device Profiles

**NOTE: If you ever uninstall NCR RSM(OPOS) and reinstall it will be necessary to go to the C:\Install\Drivers\RPSW folder on the POS and double click V8NCROPOS.reg to reinstall the correct Device Profiles. The Device settings will also need redone to match the attached devices.**

The following devices profiles were installed by the V8NCROPOS.REG file:  
NCRCashDrawer.1, NCRMICR.1, NCRPOSPrinter.1, NCRScale.7872,  
NCRScanner.7872 and NCRToneIndicator.1. Other profiles were installed via the RSM  
install but only those listed above are currently supported by ISS45. Changing to other  
profiles will cause device failures in ISS45 V8.

Some of the above profiles should work as is, however, some profiles such as  
NCRPOSPrinter.1, NCRScale.7872 and NCRScanner.7872 may need changed depending  
on which printer or scanner/scale is attached to the POS. It is not the intention of this  
document to document how to use the RSM LE setup. Information on this can be found  
on the NCR website. That said, the device setup is fairly straight forward and the  
following screen provides an example on device setup.

Run RSM LE and configure your devices.



The screenshot shows the NCR Retail Systems Manager LE interface. The main window is titled "POS Printer" and displays the configuration for the "OPOS" profile. The profile name is "NCRPOSPrinter.1". The configuration table is as follows:

Profile Name...	NCRPOSPrinter.1
Programmatic ID	NCRPrinter.POSPrinter
Description	NCR 71xx Printer/MICR/CD/ChkScan Service Object
OPOS Version	1.7.0
NCR Version	2.8.0.20
Model...	7168
Port...	USB
Baud...	115200
Async Block Size...	10
Slip In Settle Time...	500
Power Sharing...	Not Shared
Native Printer Metrics...	Override
UPOS Version 1.7 Compliance...	Backwards Compatible
Knife...	Installed
Line Size...	80mm
Character Byte Size...	1
Two Byte Code Page...	932
Single Byte Code Page...	437

At the bottom of the configuration window, there are buttons for "Diagnostics", "Create", "Delete", "Save", and "Cancel". The status bar at the bottom of the application shows "Done" and "Computer | Protected Mode: Off".

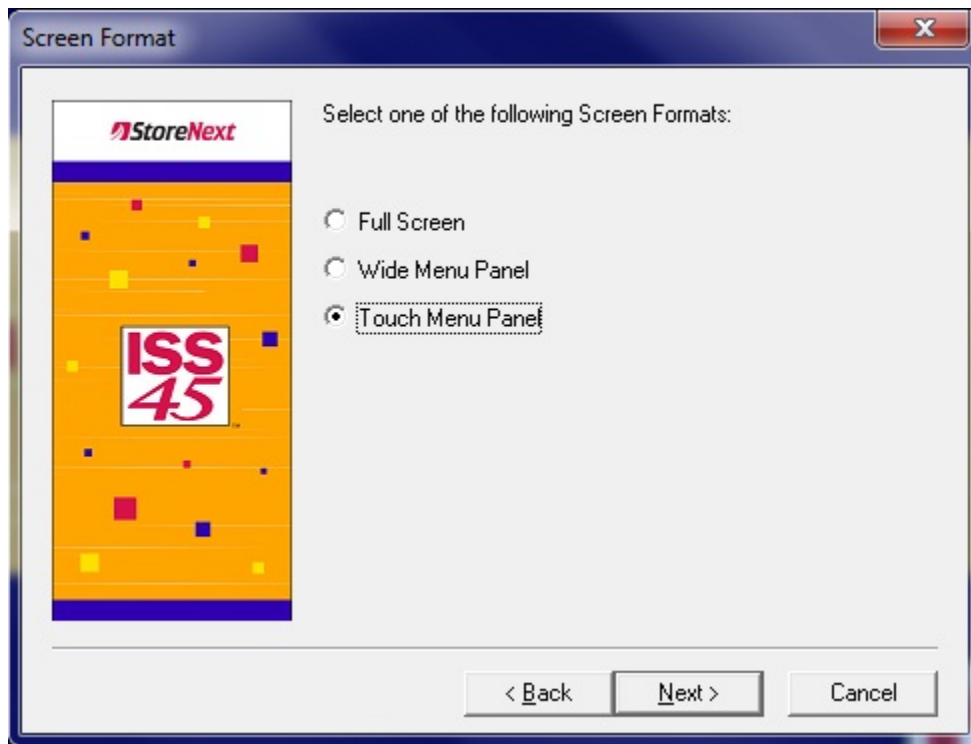
## Installing ISS45 on the NCR RP50 (7611) using POSReady 7

Once you have chosen the correct profile (see choices above), you normally will only have to choose the correct Model number of your device. Always select USB as your Port. For the 7168 printer, there are some additional settings to choose single or double sided printing. If you want double sided printing go to the Two Sided Thermal Mode Option and select Double sided Automatic Split Receipt. (This requires special printer paper).

Now that the OS, network and device drivers are installed and configured, you will need to run the SN- Prerequisite Installer to install the required dot net components. After that completes and reboots run the ISS45 V8 WinPOS install. See the Install guide on the website.

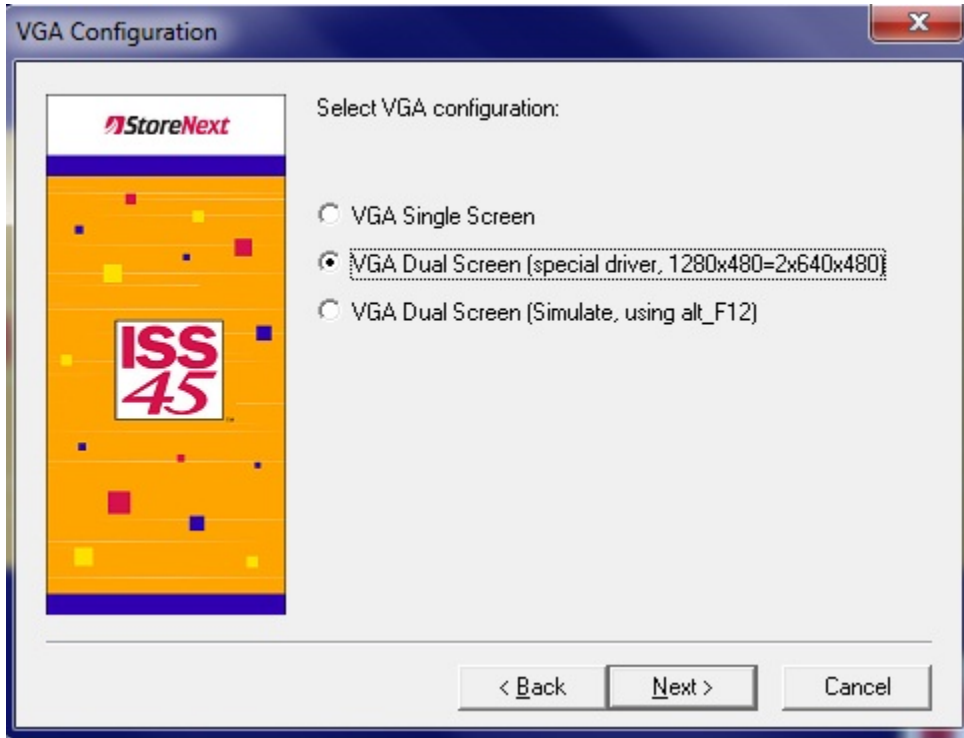
Use the following corresponding screens when doing the install. These are the only ones that are different.

Select Touch Menu Panel.



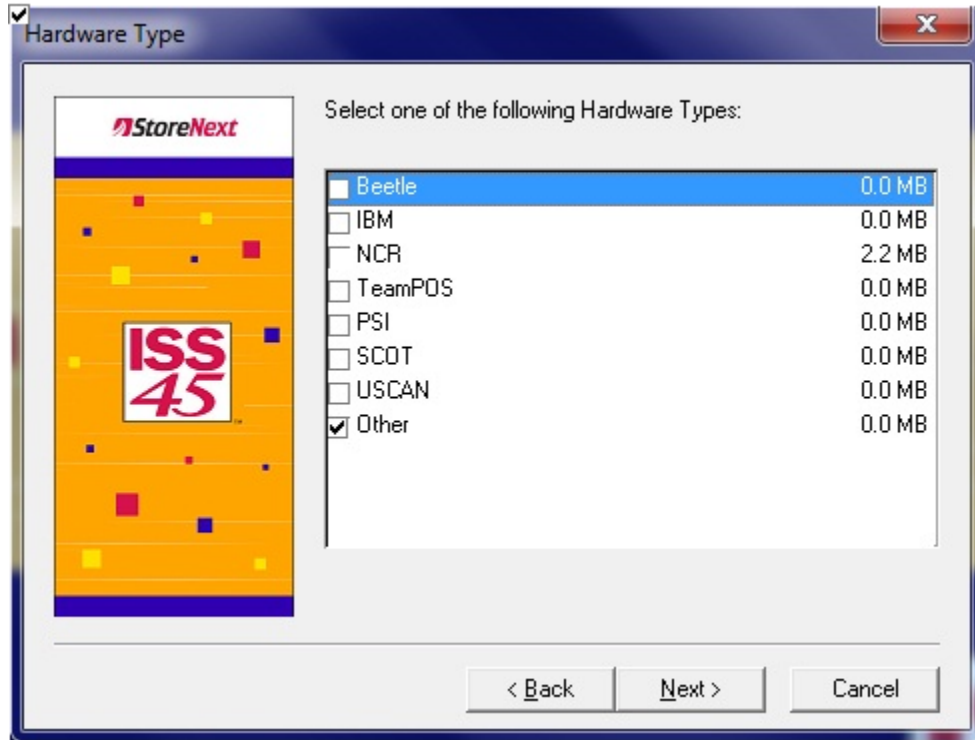
## Installing ISS45 on the NCR RP50 (7611) using POSReady 7

If using dual monitors select the following else select VGA Single Screen.



Under Hardware Type select Other.

## Installing ISS45 on the NCR RP50 (7611) using POSReady 7



Depending on the installed devices, setup the following OPOS devices in the FrontOffice POS Configuration. If using the Epson TM-H6000IIIU/IVU then install the Epson OPOS using the ADK268E.exe and set it to be TM-H6000IIIU for the Printer and the MICR:

## Installing ISS45 on the NCR RP50 (7611) using POSReady 7

Post Configuration

POS Number: 6 POS Type: TeamPOS & TeamCOM  Active till

General WinPOS HW Non WinPOS 1 Non WinPOS 2 Auth. - EFT - I/F E-Ticket - OPOS

E-Ticket

E-Ticket Active Virtual POS Number: 0 Virtual Cashier Number: 0

OPOS

OPOS Printer Driver Name: NCRPOSPrinter.1

OPOS Line Display Driver Name:

OPOS Drawer 1 Driver Name: NCRCashDrawer.1

OPOS Drawer 2 Driver Name:

OPOS Scanner 1 Driver Name: NCRScanner.7872

OPOS Scanner 2 Driver Name:

OPOS Scale Driver Name: NCRScale.7872

OPOS MICR Driver Name: NCRMICR.1  Use OPOS MICR

OPOS MSR Driver Name:  Use OPOS MSR

OPOS Keyboard Driver Name:

OPOS KeyLock Driver Name:  Use OPOS KeyLock

OPOS Coin Dispenser Driver Name:  Use OPOS Coin Dispenser

OPOS Check Scanner Driver Name:  Use OPOS Check Scanner

OK Cancel Apply

Additional setup information:

Printers – set or build appropriate templates for check writing.

Menusys.mac and Keyboard programming – It is up to the Dealers to setup the menusys.mac and keyboard programming to meet the customer's requirements.

Following are the scan tags and sequences to program the 78xx scanners. Once the OPOS devices are setup and programmed the POS should be ready for use.

# Installing ISS45 on the NCR RP50 (7611) using POSReady 7

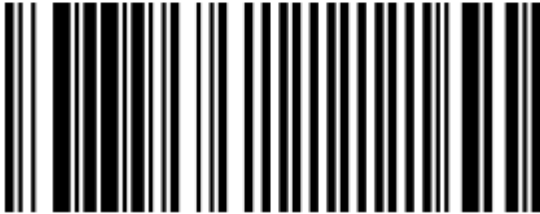
78XX Scanner programming tags:  
To Program the 7874 / 7878 for ISS45 V8

(Start)

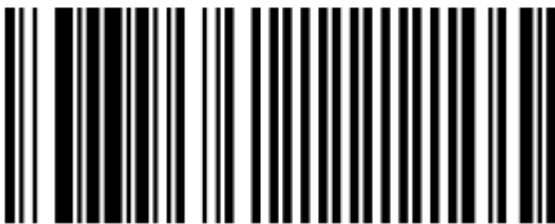
Reset



Default



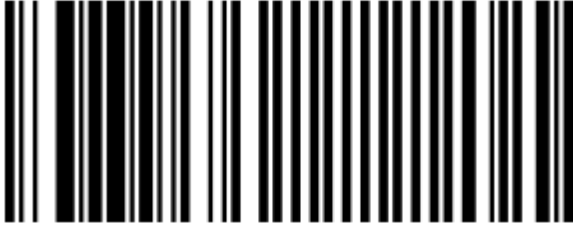
Programming Mode



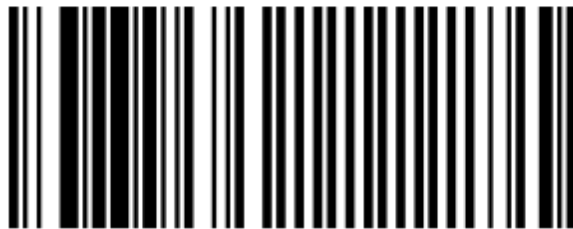
Installing ISS45 on the NCR RP50 (7611) using POSReady 7

(Set to USB Communication Protocol)

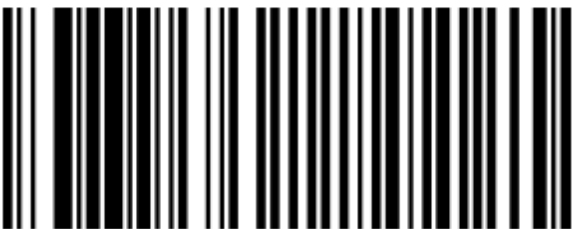
Hex 1



Hex 0



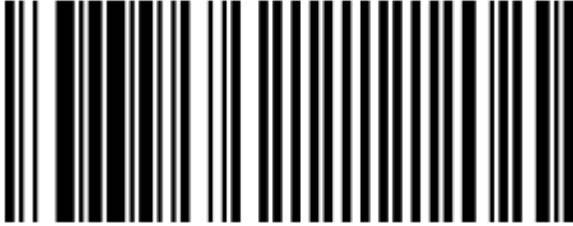
Hex D



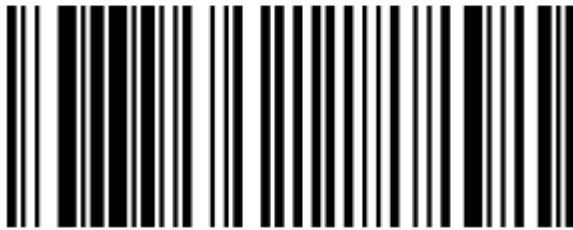
Installing ISS45 on the NCR RP50 (7611) using POSReady 7

(Enable periodical codes)

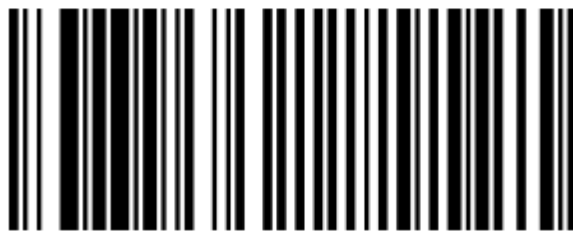
Hex 1



Hex 3

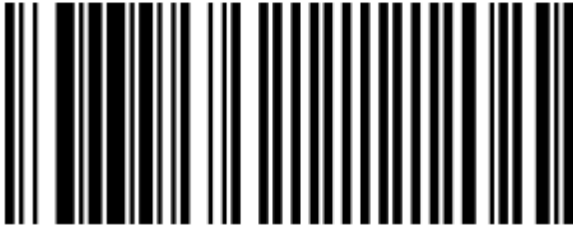


Hex E

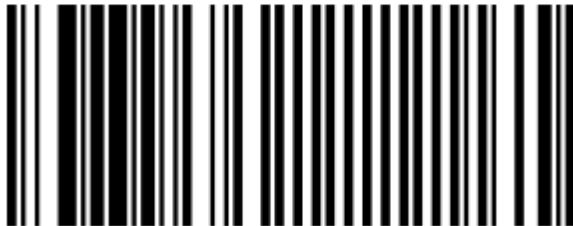


Installing ISS45 on the NCR RP50 (7611) using POSReady 7

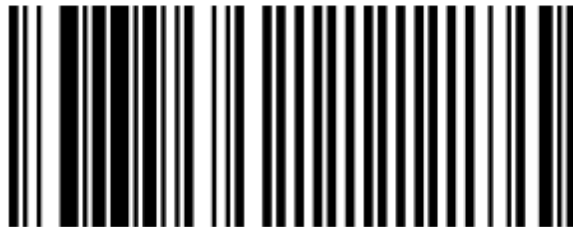
Hex 1



Hex 2



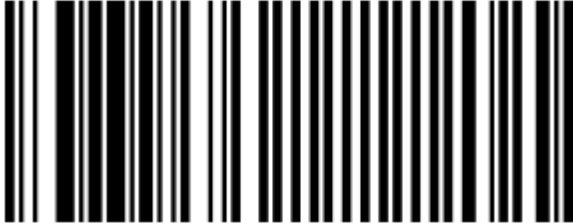
Hex 0



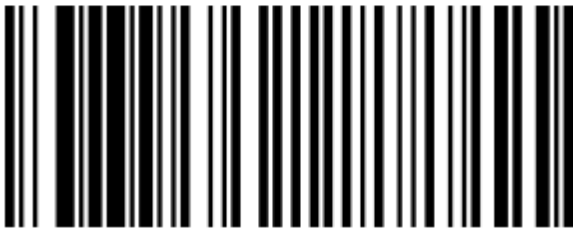
Installing ISS45 on the NCR RP50 (7611) using POSReady 7

(Enable Code 128)

Hex 1



Hex 7

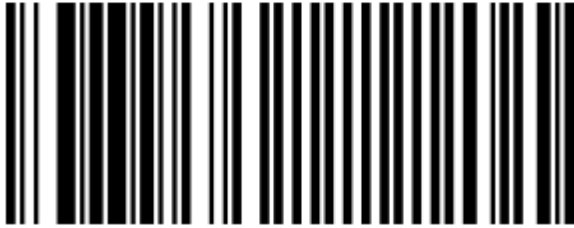


Hex A



Installing ISS45 on the NCR RP50 (7611) using POSReady 7

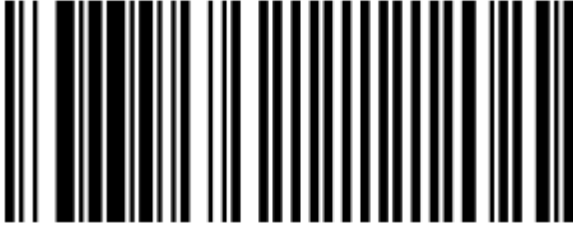
Hex 1



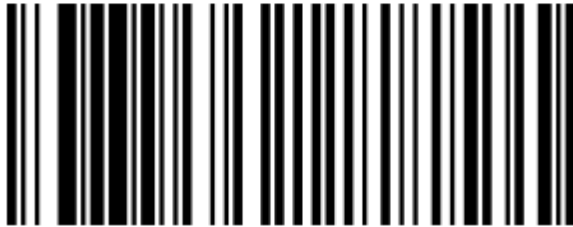
Installing ISS45 on the NCR RP50 (7611) using POSReady 7

(Enable DataBar)

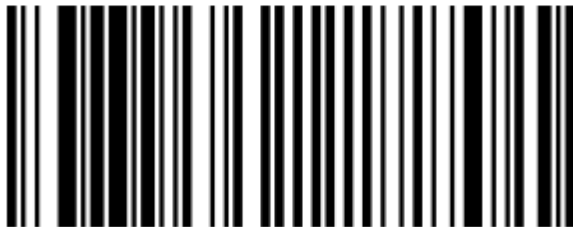
Hex 1



Hex 8

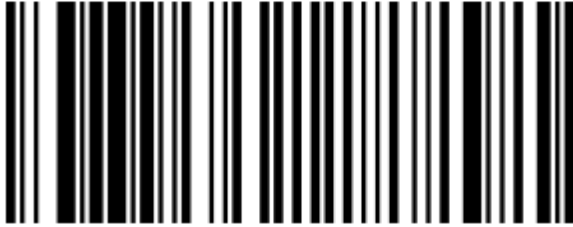


Hex A



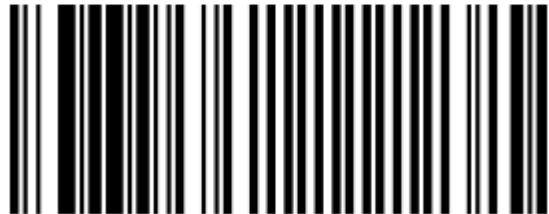
Installing ISS45 on the NCR RP50 (7611) using POSReady 7

Hex 3



(Finish)

Save and Reset





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