



ScanMaster

Installation Guide,

ScanMaster with NCR 7601/7606



ScanMaster V2 Installation Guide

Date of Issue	Product Identification Number	Part Number	Brief Description
March 2005	45001/083	89000198	Initial Release
January 2006	45001/083	89000283	2.3.0 Release
May 2007	45001/083	89000341	2.4.1 Release
December 2007	45001/083	89000412	2.5.0 Release
January 2008	45001/083	89000415	2.5.0 Updated
January 2009	45001/083	89000504	2.6.0 Release
April 2009	45001/083	89000510	2.6.0 Updated
February 2010	45001/083	89000552	2.7.0 Release
July 2010	45001/083	89000578	2.7.1 Release
January 2012	45001/083	89000714	2.8.0 Release
January 2013	45001/083	89000750	2.9.0 Release
April 2013	45001/083	89000761	NCR H/W Release

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Configure Bios and POSReady 7 on the NCR POS 7601 and 7606 for ScanMaster

Check the BIOS settings to ensure that the LAN Boot ROM is set to Disabled, Boot order default is set to Standard and under Boot Device Priority that the 1st device is set to the HDD. If the LAN boot is enabled, the boot time of the POS will be considerably longer.

The NCR 7601/7606 comes preloaded with POSReady 7 SP1. For the out-of-box setup, only attach the keyboard, mouse and monitor. 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, choose "**Local Policies**", then "**Security Options**".

In the right pane:

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

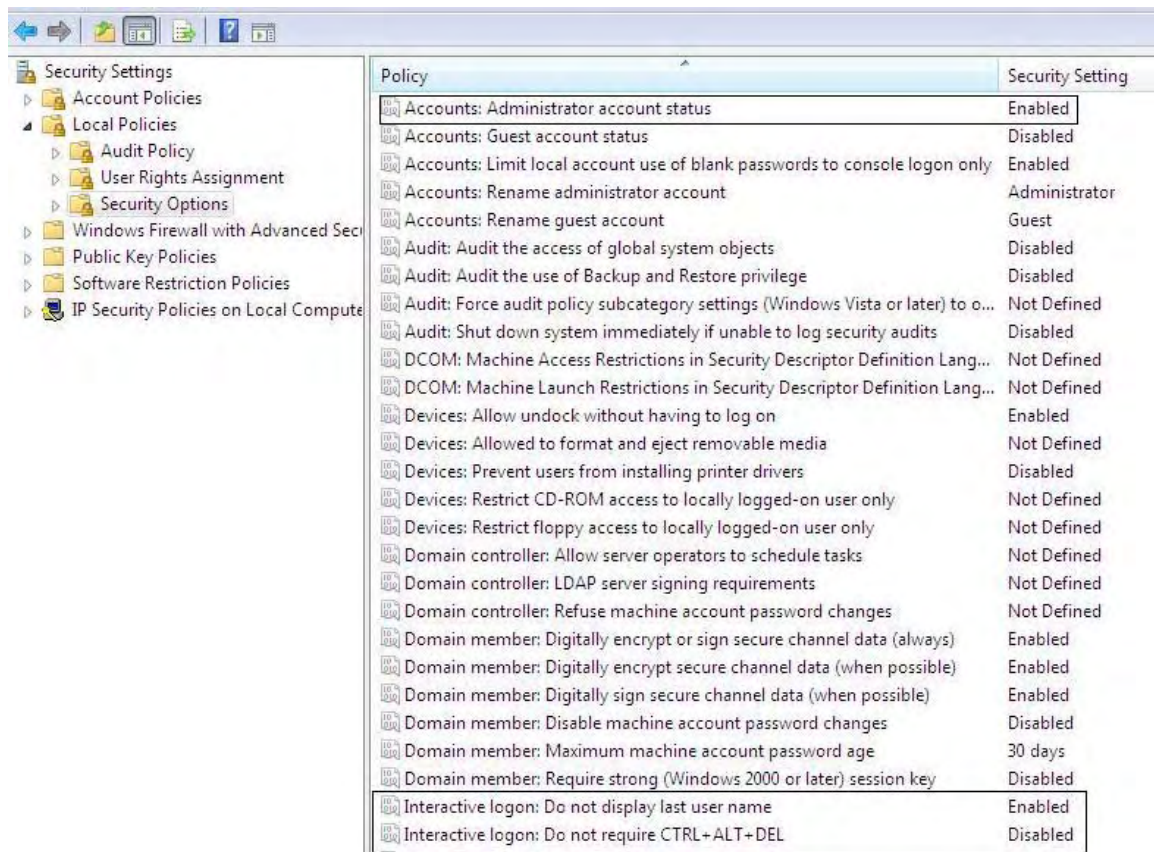
Set "**Interactive logon: Do not display last user name**" to **Enabled**.

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**."

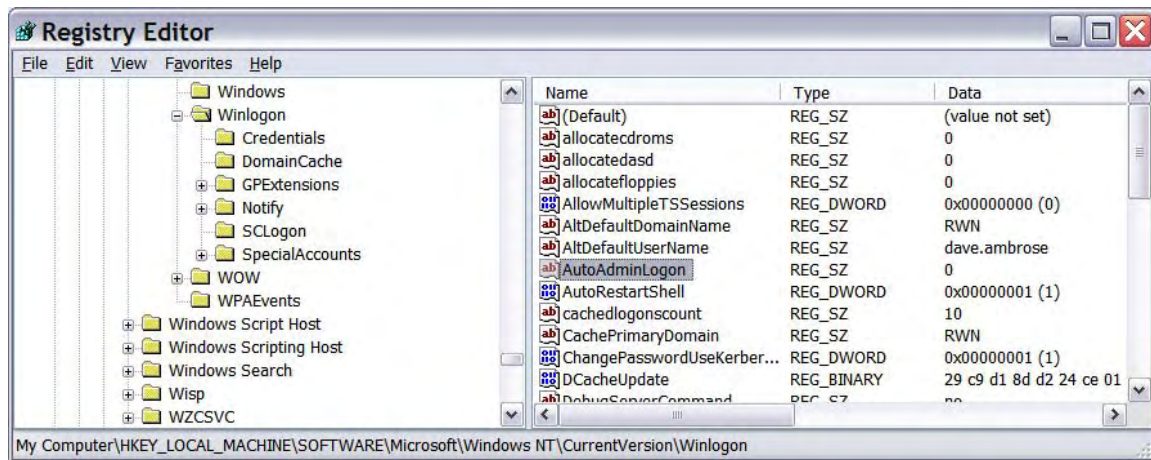
Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7



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 ScanMaster on the NCR 7601 and 7606 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.

User Account Control (UAC) is off by default.

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.

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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 ScanMaster on the NCR 7601 and 7606 using POSReady 7

Close the Control Panel.

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

Click Advanced system settings.

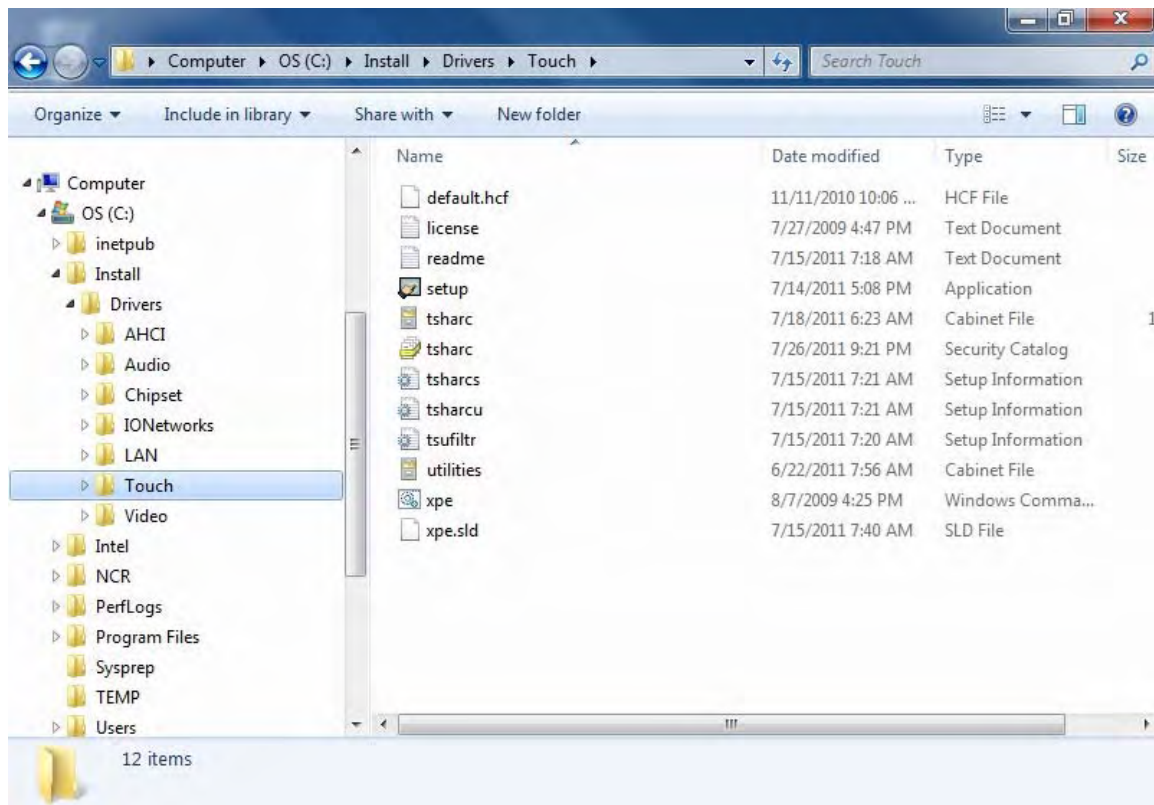
Under the Computer name tab, domain and workgroup settings, click Change setting. If prompted for a reboot, accept and let the system reboot to update its settings.

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

POSReady 7 should now be ready for software installation.

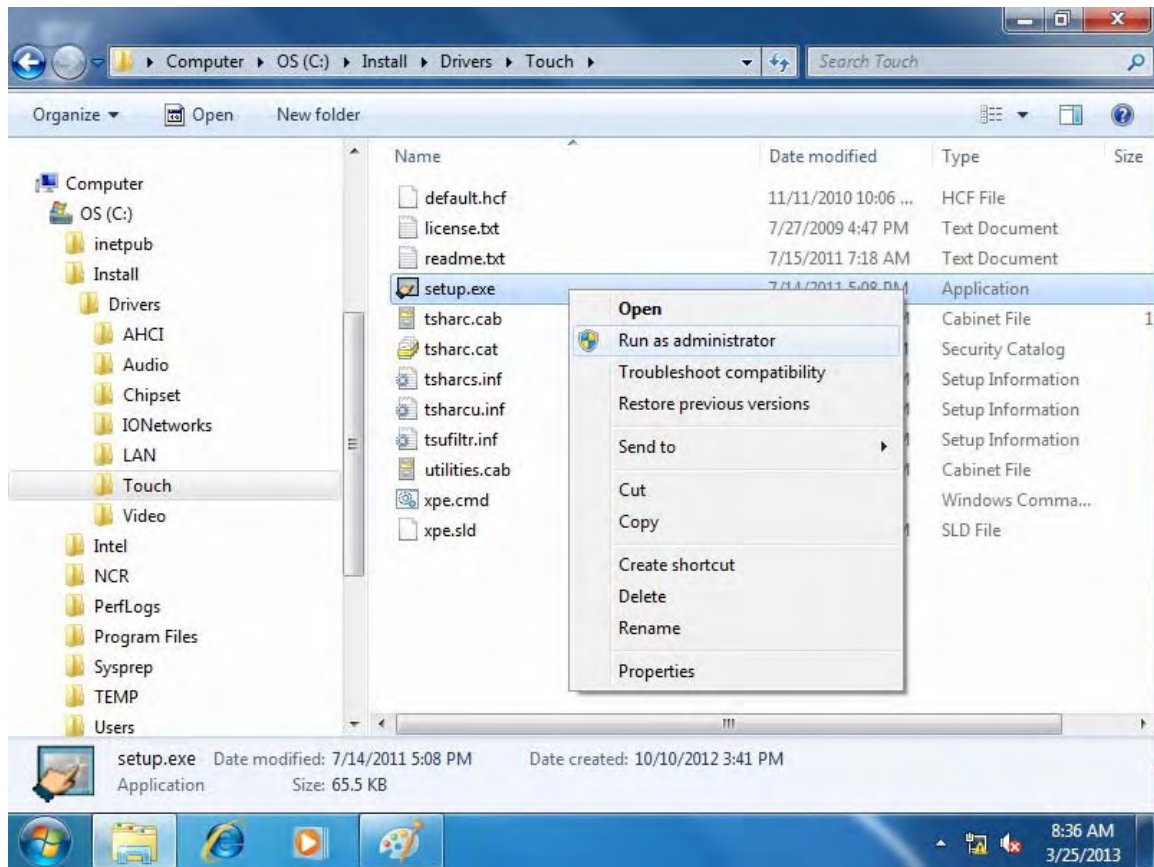
At this point, for touch screens, install the Touch Driver. Else SKIP to “Install NCR Retail Platform Software for Windows (OPOS)” this step if not using Touch Screen..

Explore to C:\Install\Drivers\Touch



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

Right Click setup.exe and select Run as administrator.



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

Click Next at the following Welcome screen



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

Click I accept all of the terms..... and Click Next on the following screen



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

Click Next on the following Select Controller screen



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

Click Finish on the following Install screen

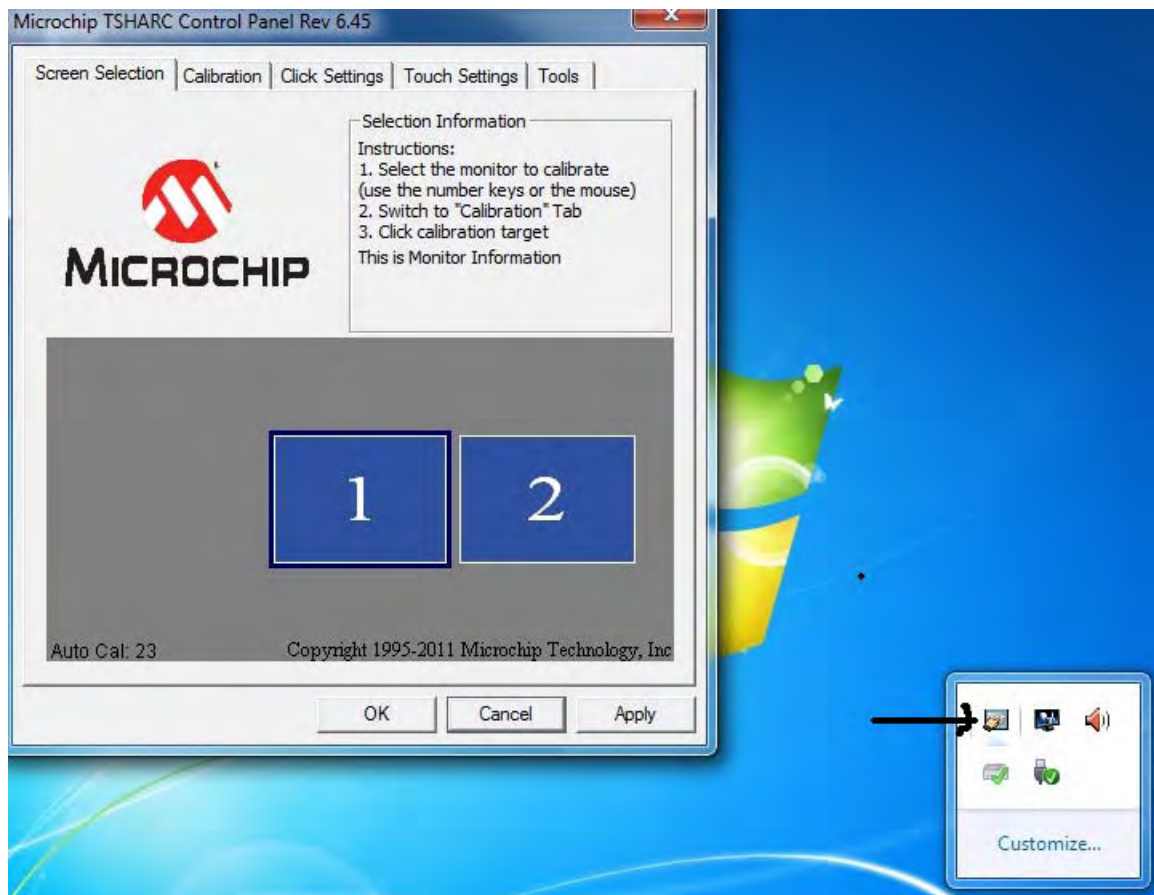


The Touch driver/software will now install.

Click OK at the Setup is now complete message box.

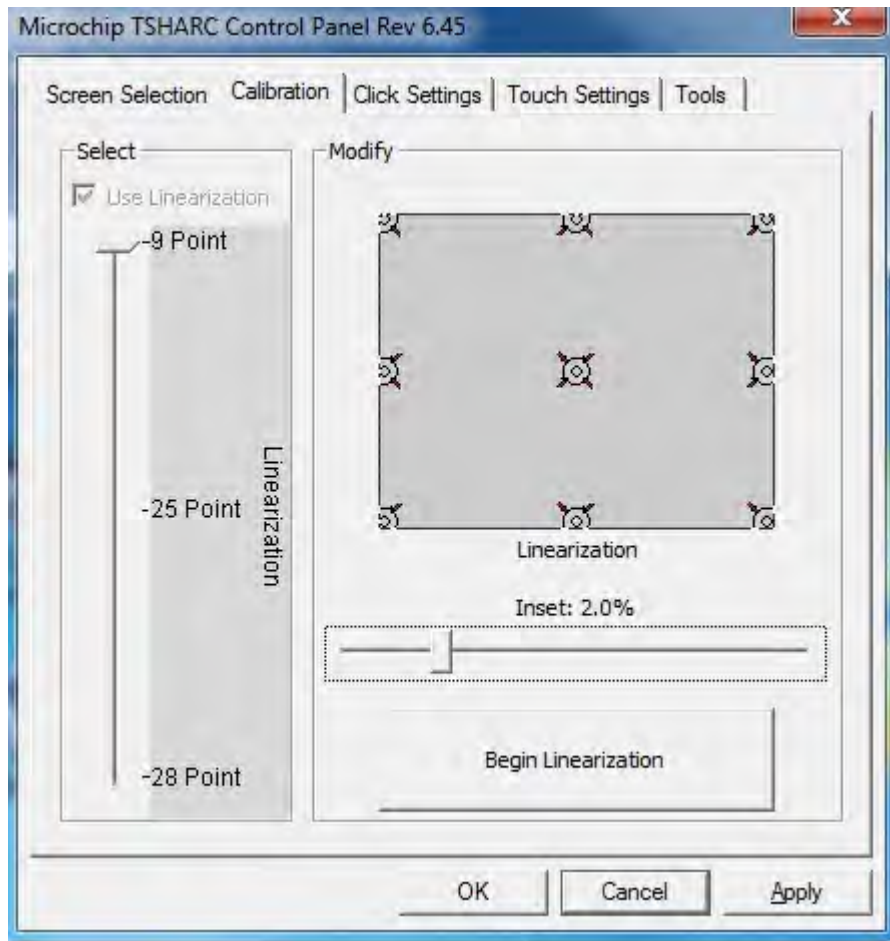
Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

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.



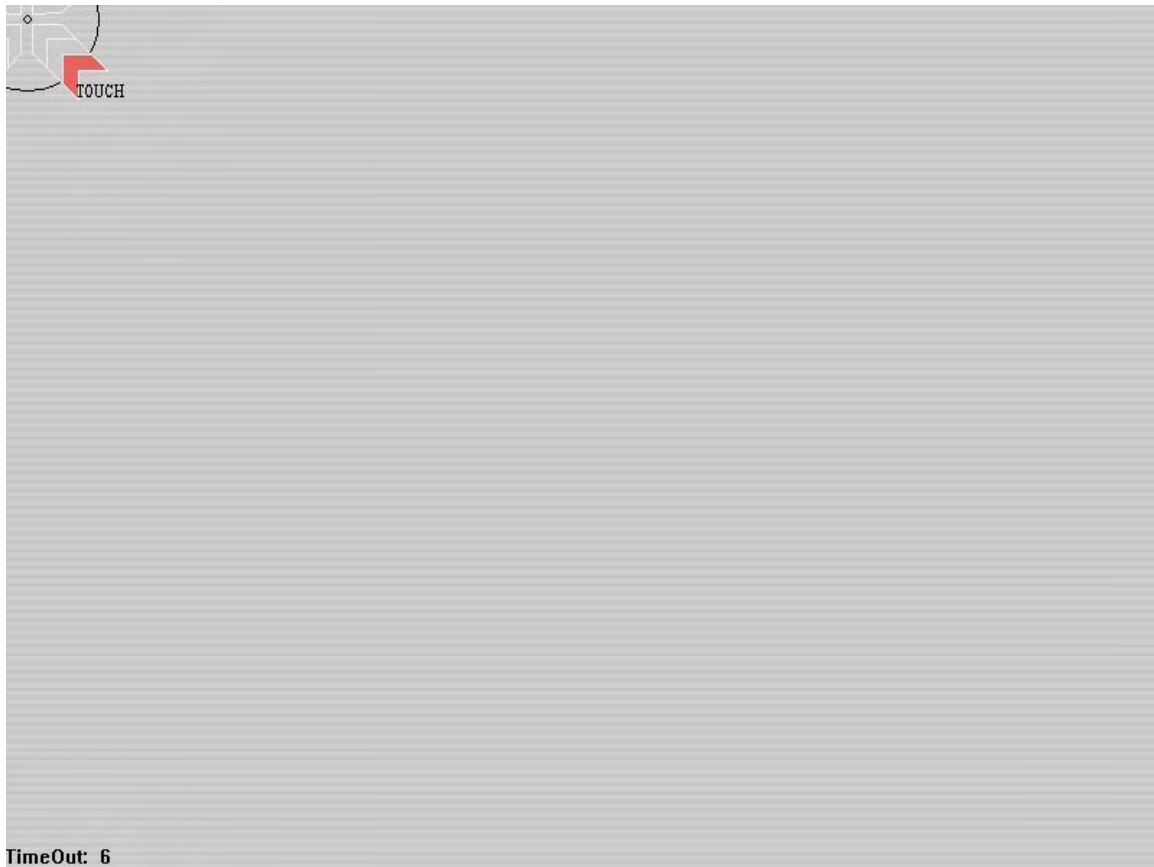
Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

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

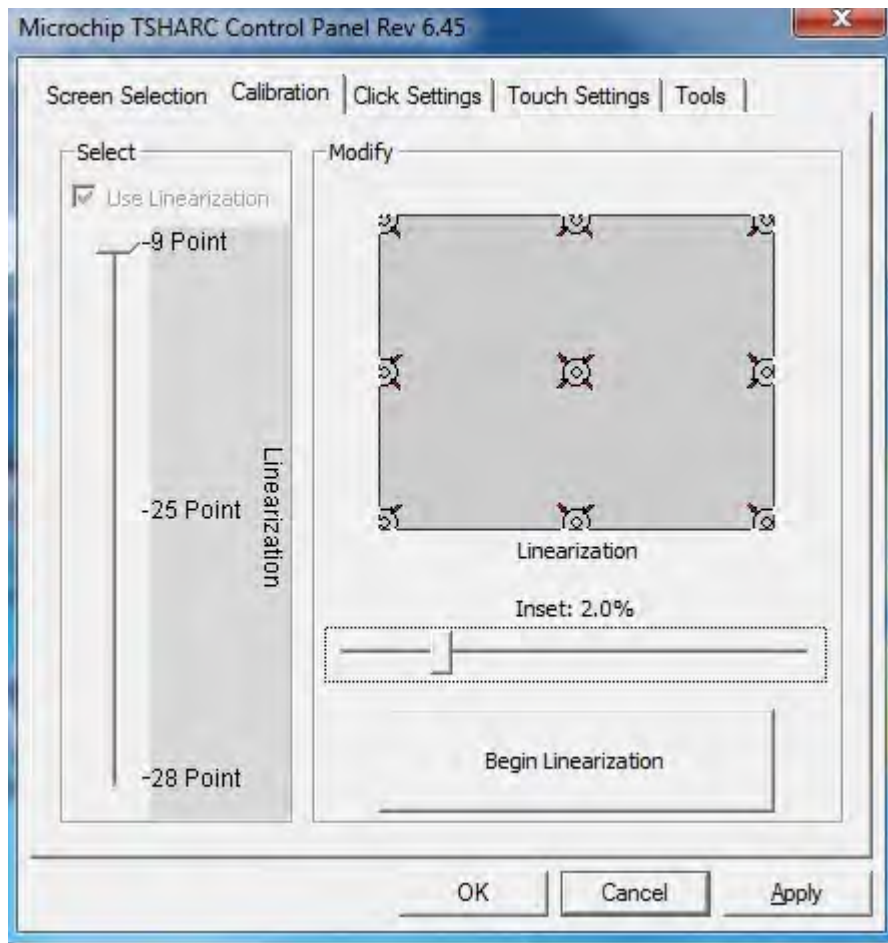


Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

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



Click Apply and OK on the following screen.

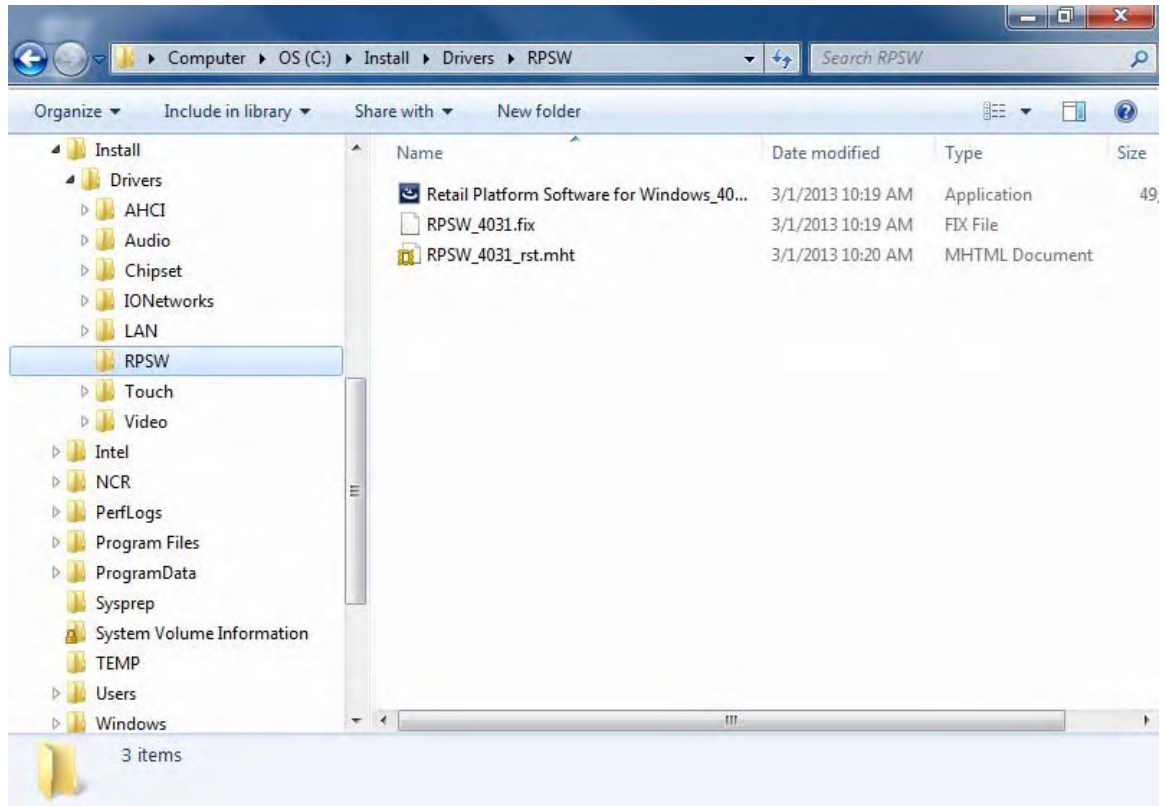


Screen calibration is completed.

Install NCR Retail Platform Software for Windows (OPOS).

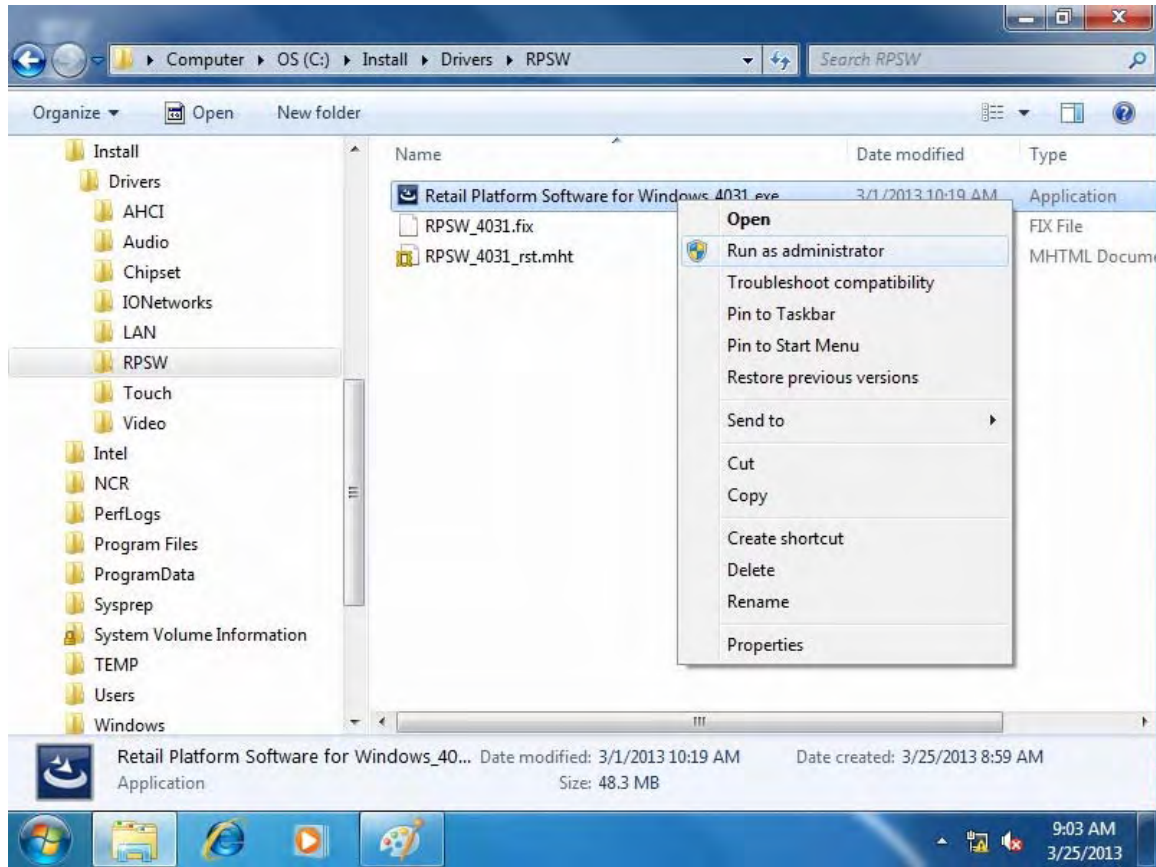
Obtain the Retail Platform Software for Windows_4031.exe from the Retalix Channel Partners website. Create the folder RPSW under C:\Install\Drivers and copy the install files to that folder.

Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

Right Click the Retail Platform Software for Windows_4031.exe and Click Run as administrator.



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

The installation starts.



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



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

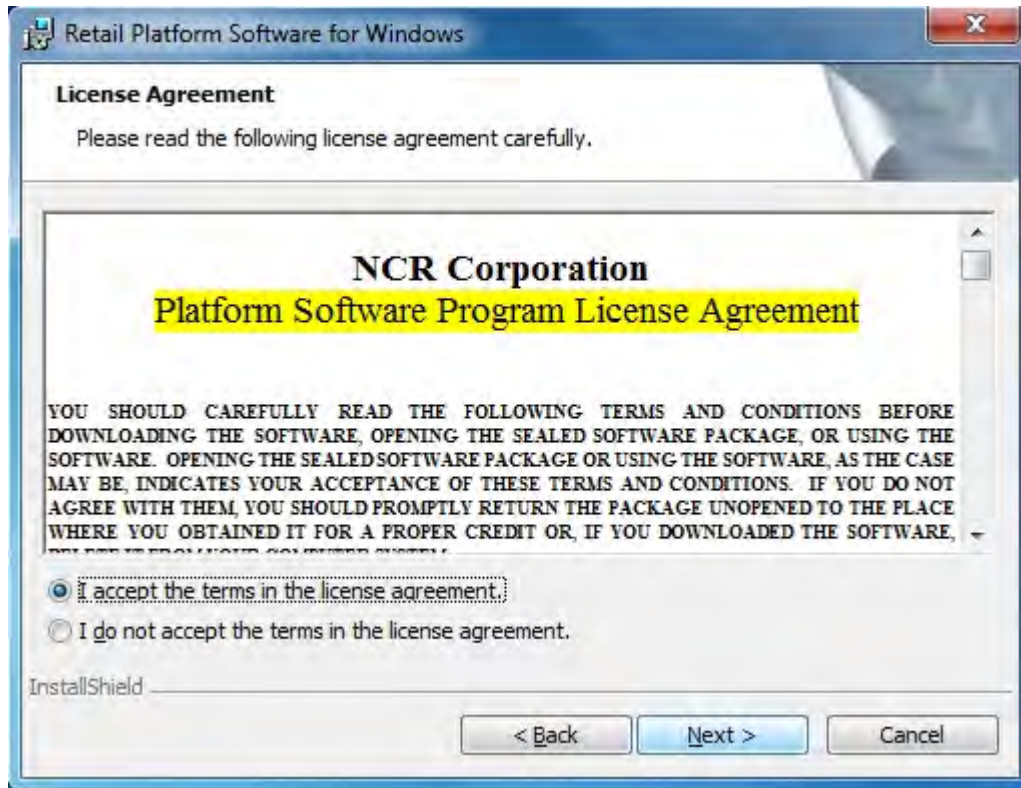
Click Next at the Welcome screen.



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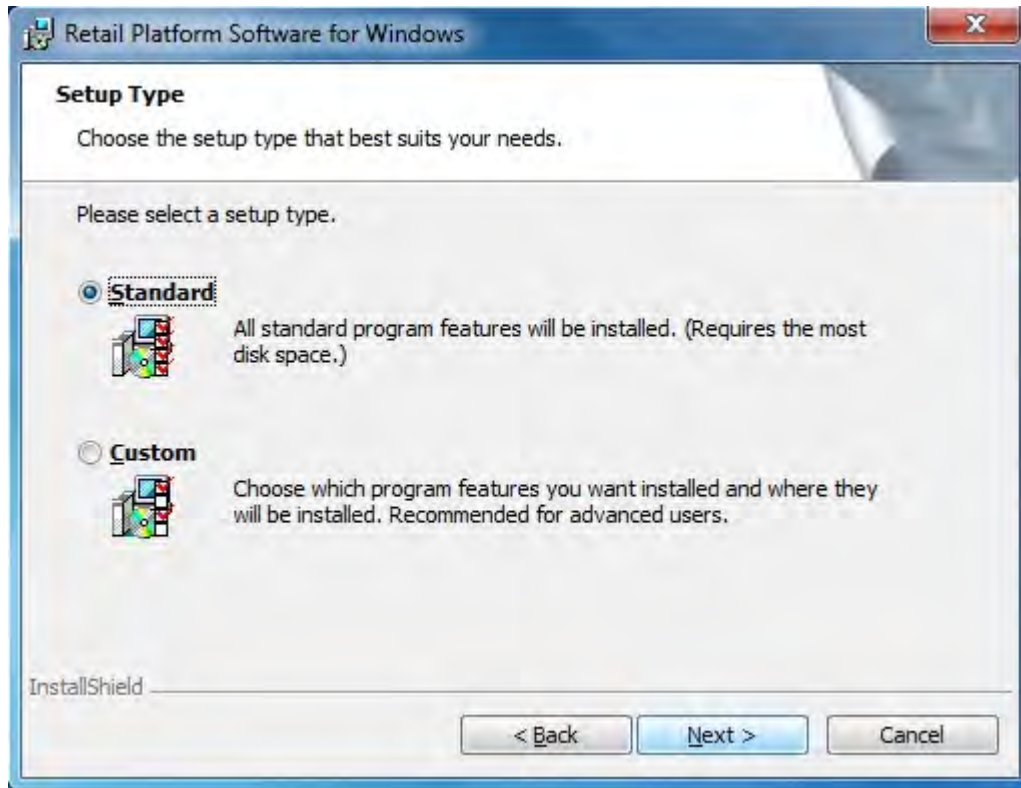
Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

Click the I accept the terms box and click Next.



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

At the Setup Type screen select Standard and Click Next.



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

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



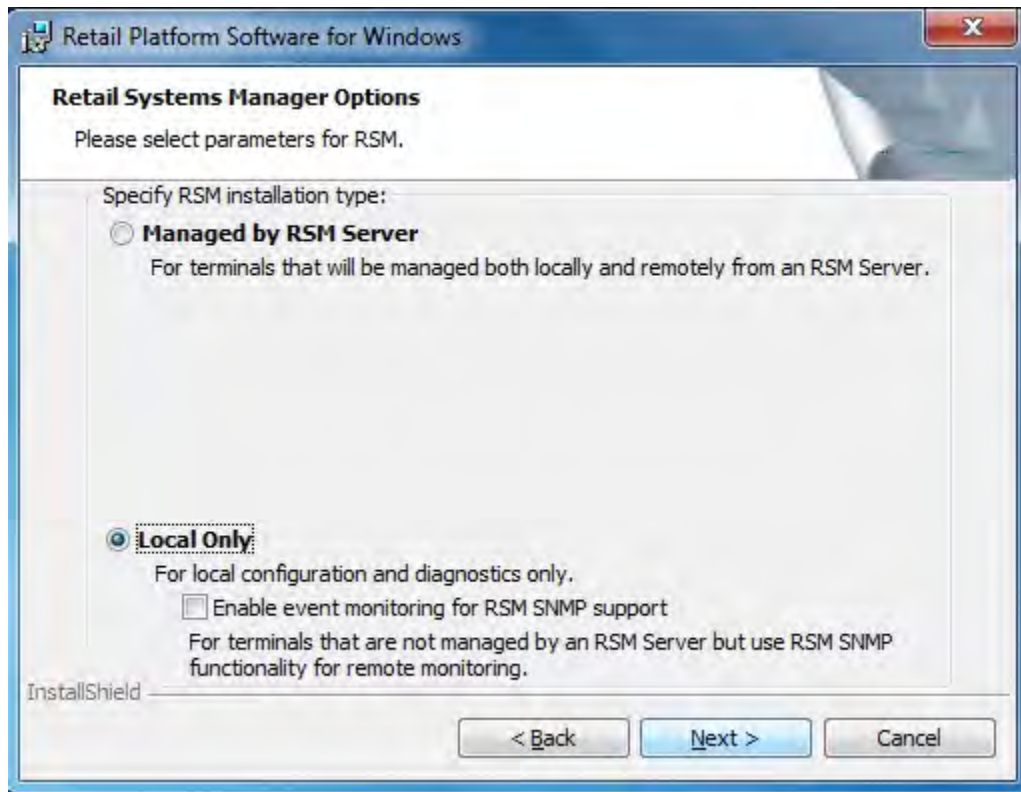
Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

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



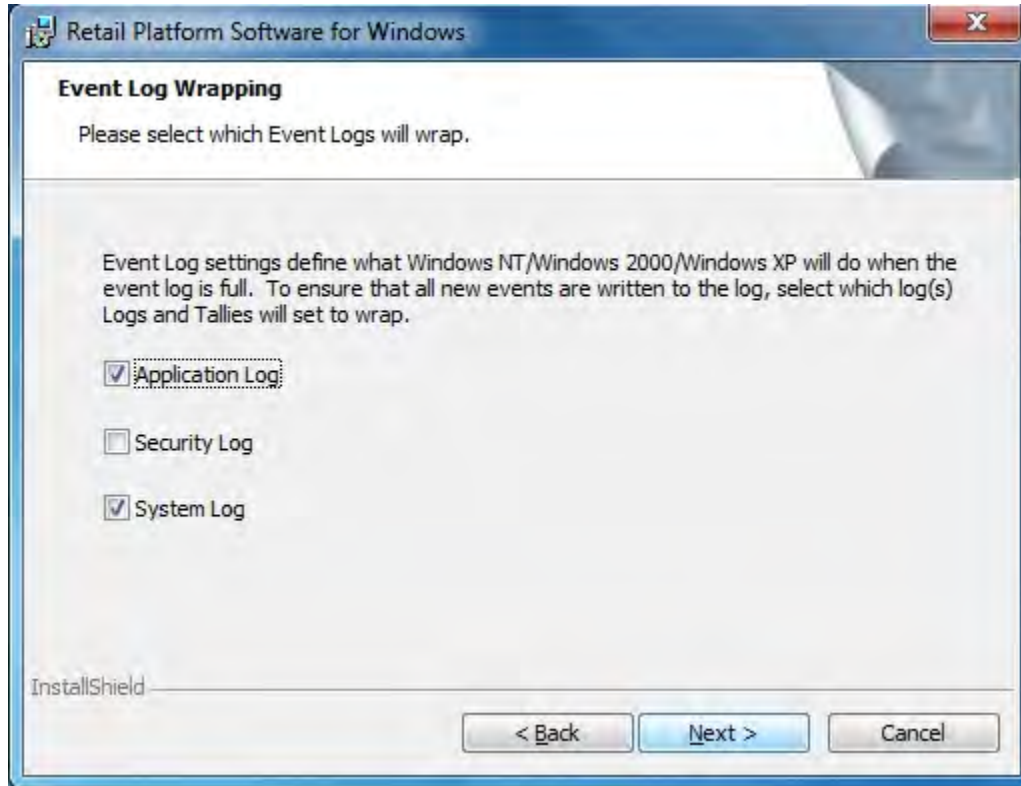
Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

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 chose Managed by RSM Server and answer the additional questions on the screen.



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

At the Event Log Wrapping screen click Next.



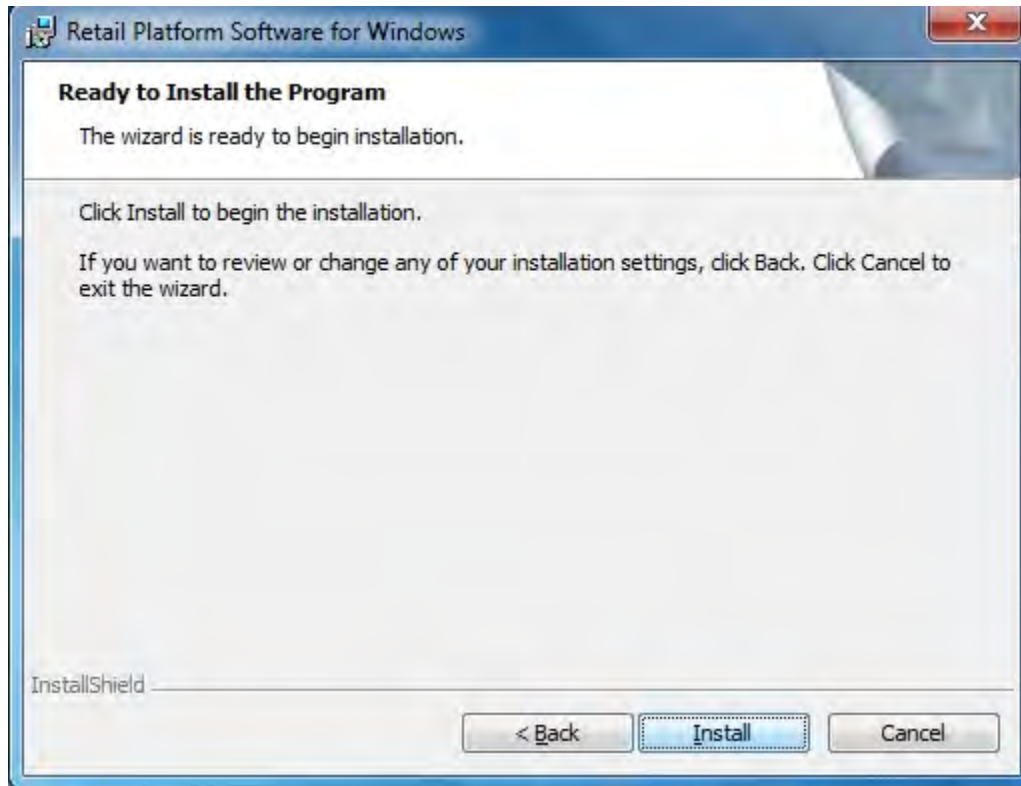
Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

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



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

At the Ready to Install the Program screen click Install.



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

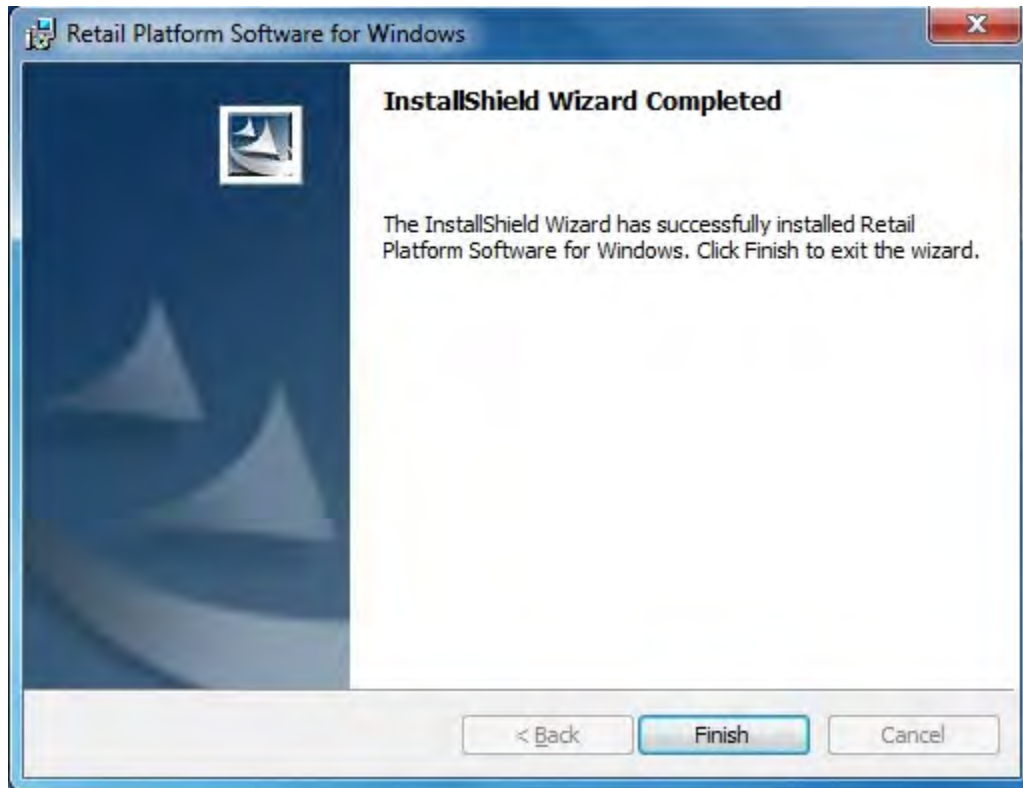
RSM is installed.



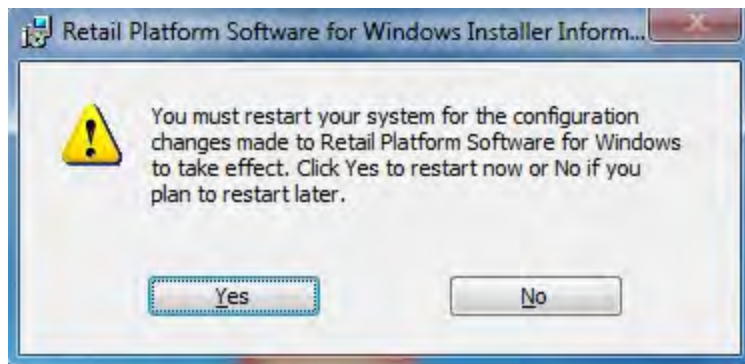
Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

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 7601/7606 motherboard regardless of which printer is used.

At the completed screen click Finish.



At the restart message box click Yes.



After reboot, logon as administrator.

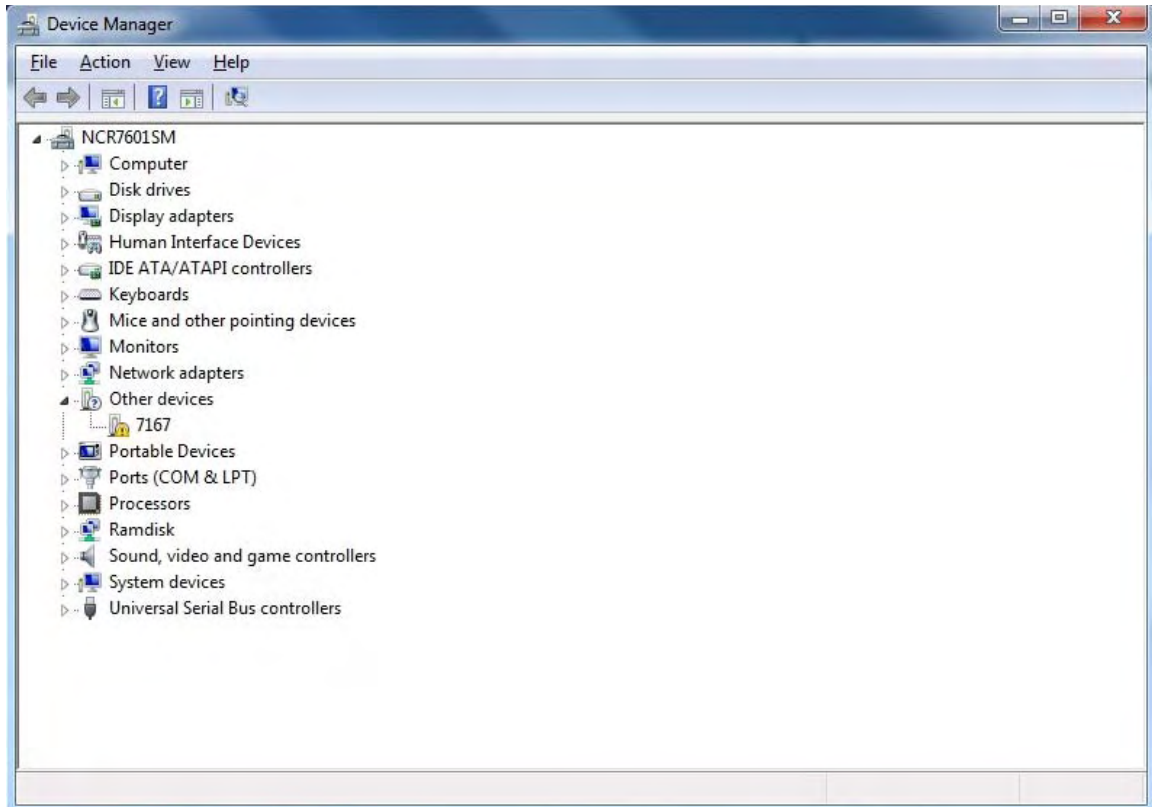
Don't attempt to setup your devices at this point. That will be explained later in this document.

Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

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

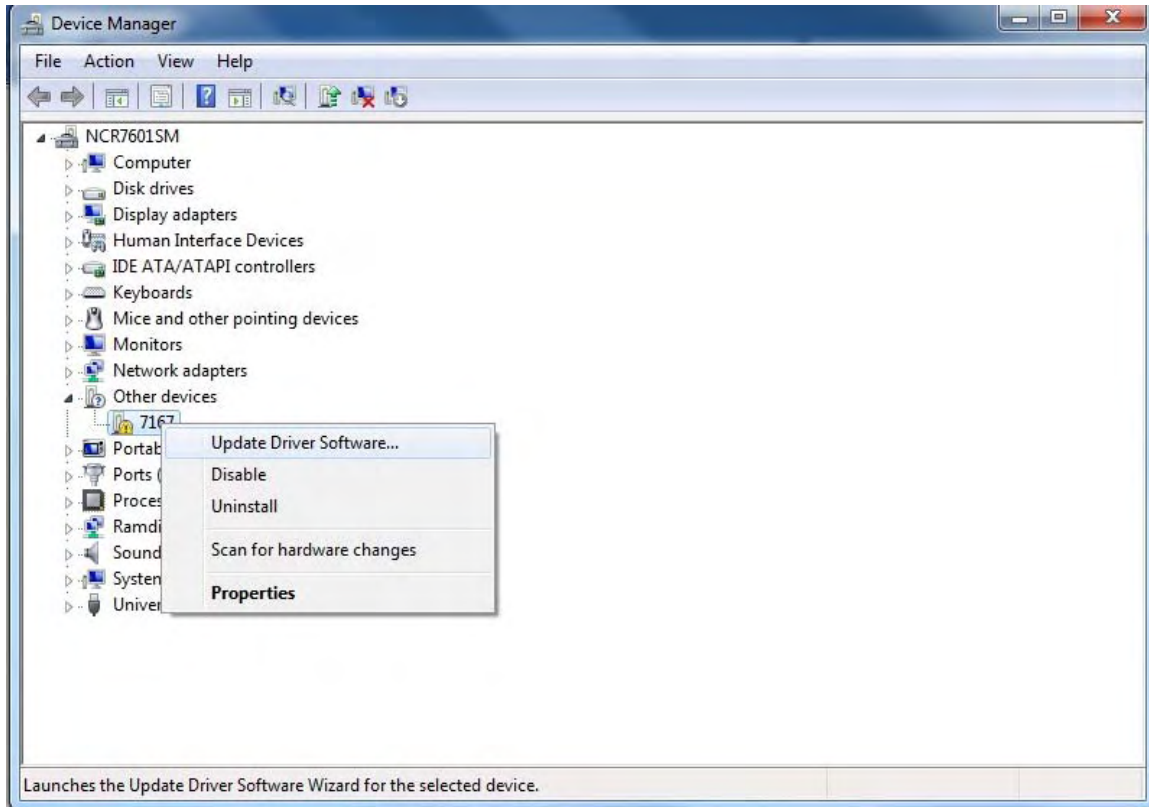
Installing NCR printer drivers (IONetworks). If you are using an Epson TM-6000III/IV USB printer, install the Epson OPOS and set up the printer via the Epson utility.

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



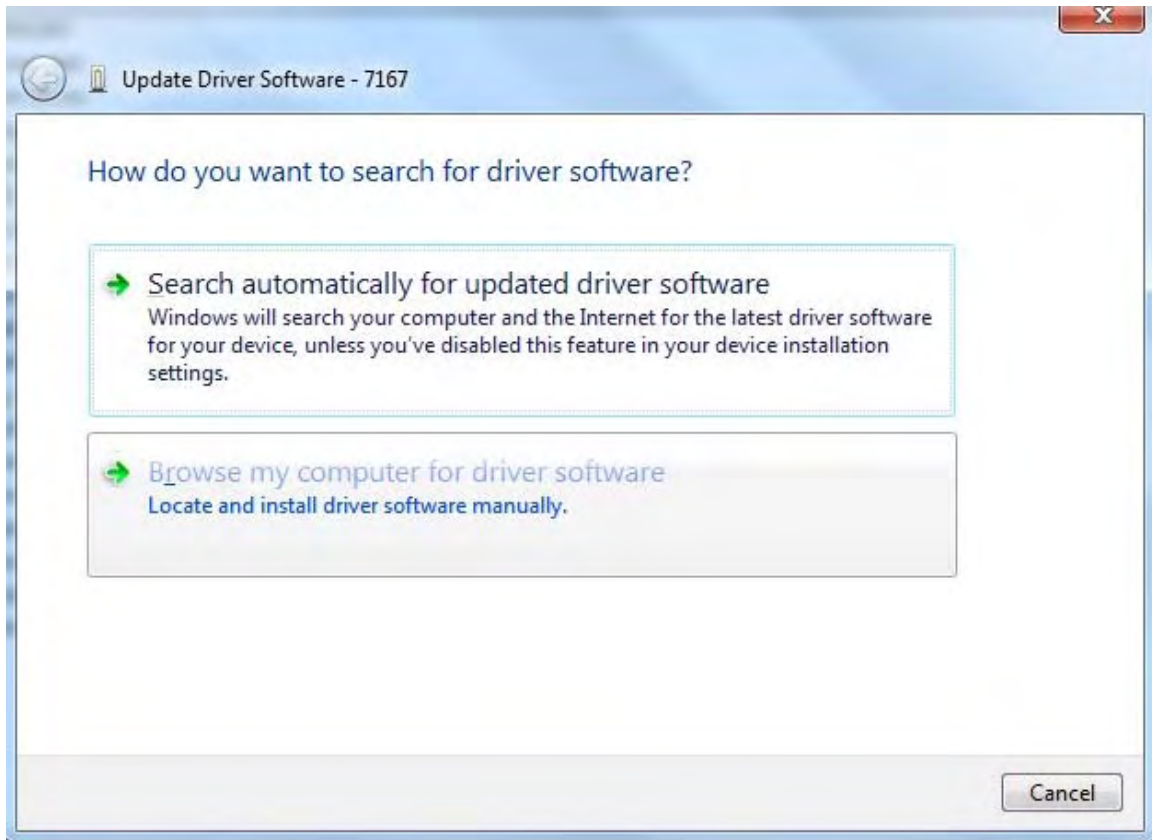
Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

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



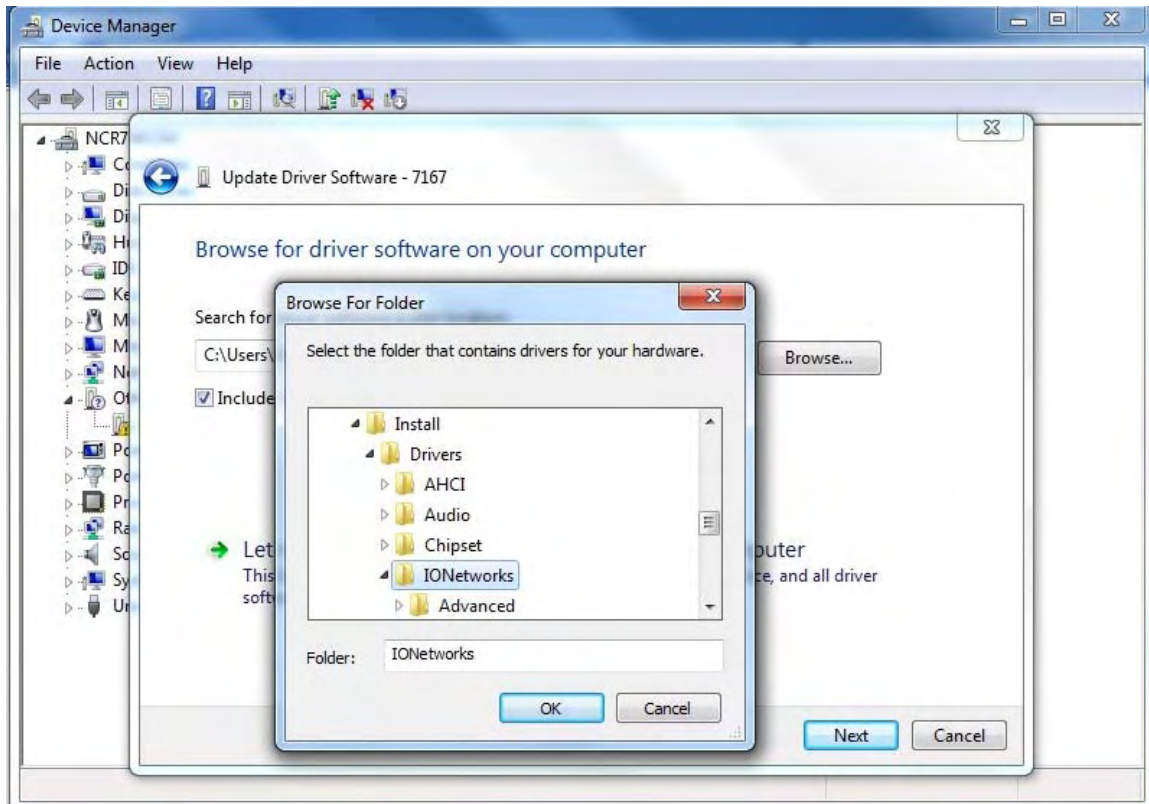
Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

Click Browse my computer for driver software.



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

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



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

Click Next at the following screen.



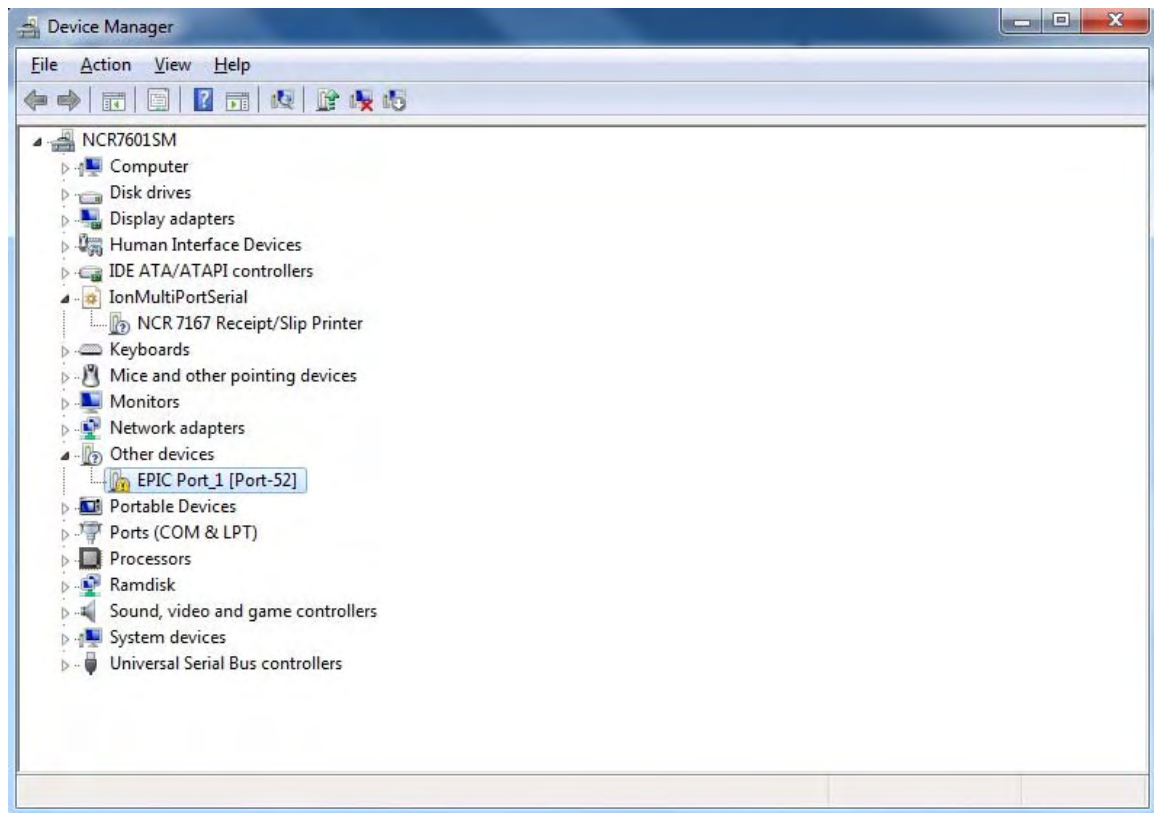
Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

At the following screen click Close.



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

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



Close Device Manager and Control Panel.

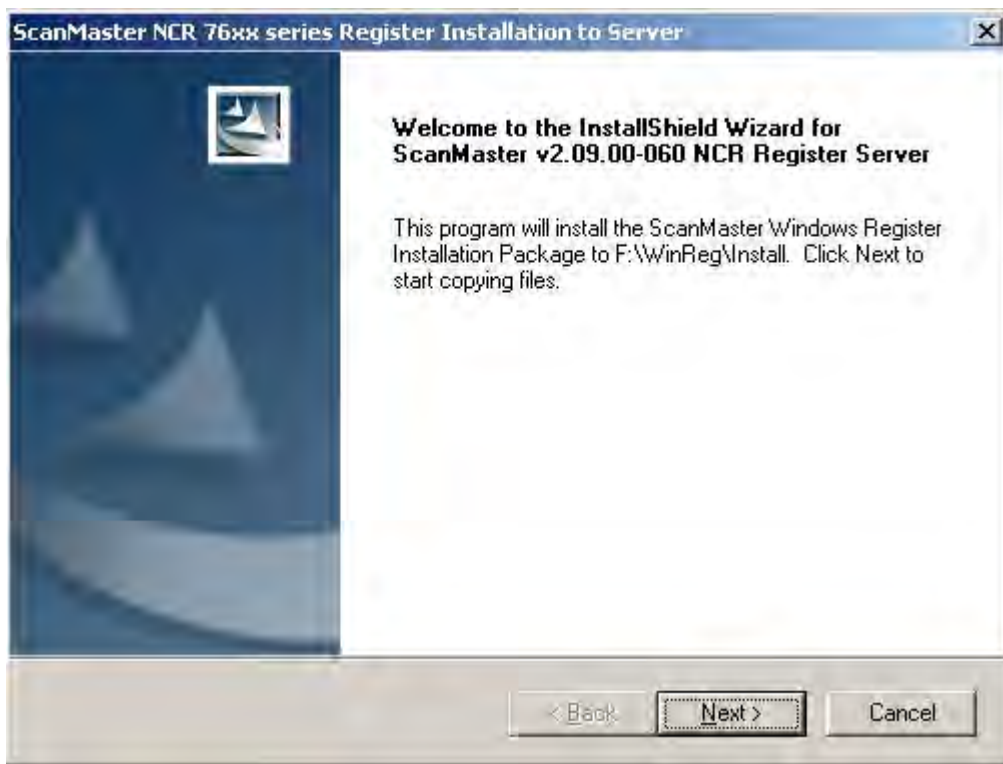
The POS is now ready for the installation of Pervasive Workgroup (See ScanMaster Installation Guide). Once Pervasive is installed go to the ScanMaster server and install the new NCR POS installation to the server. For v2.08.00-110 and v2.09.00-060, obtain the new NCR limited full install files along with the regular patch files from the Retailix Channel Partner website. Starting with v2.10.00-050 the newer NCR POS models will be incorporated into an all-in-one NCR/IBM/Fujitsu/HP install. Pre 76xx models will continue to be installed with the Legacy NCR POS install.

Once the new install is on the server, install the POS per the instructions in the ScanMaster installation guide. This install is limited to just a new NCR install so the following screens are somewhat different than the standard install screens. The ScanMaster install will install a Dynakey keymap (if Dynakey is chosen) and set the appropriate associated exe files to run as part of the Startup. It will also install a set of

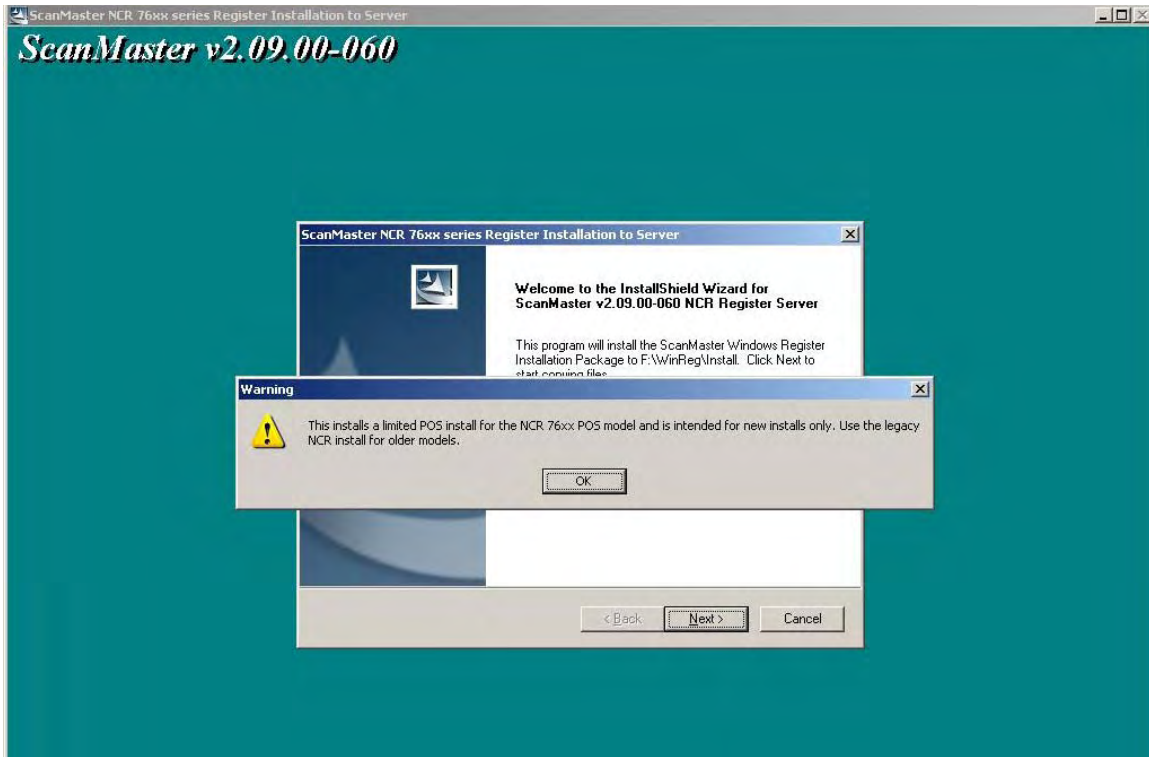
Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

RSM device profiles in addition to some of the profiles installed by the NCR RSM application.

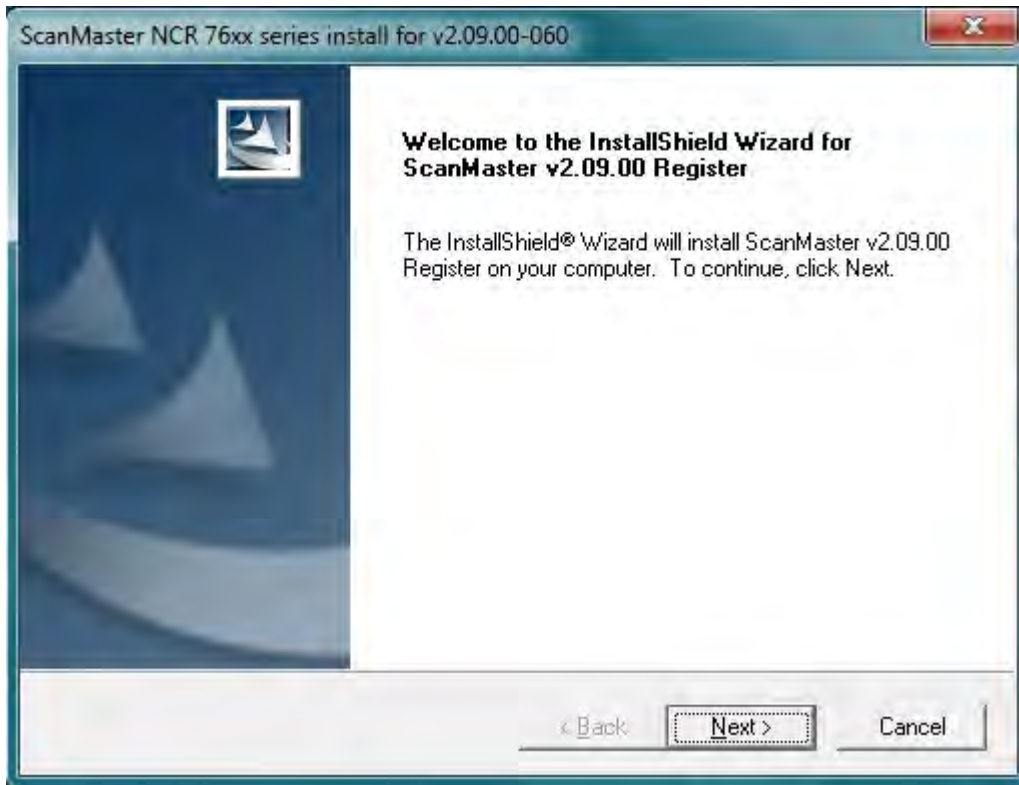
Install NCR register install to server screens:



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

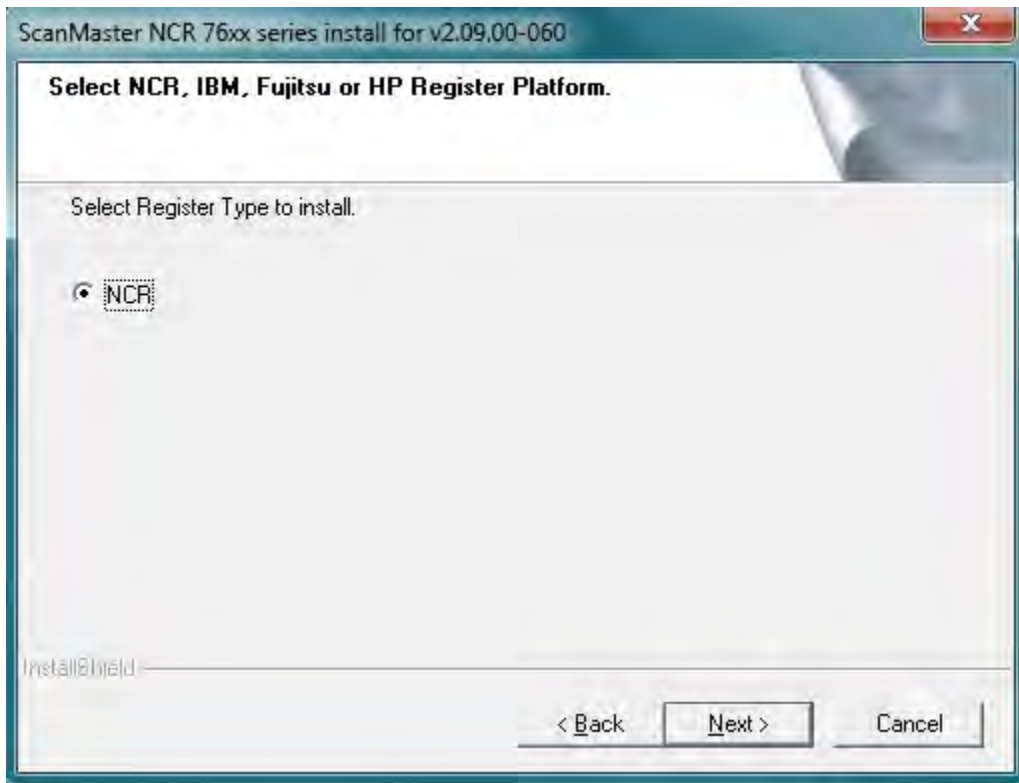
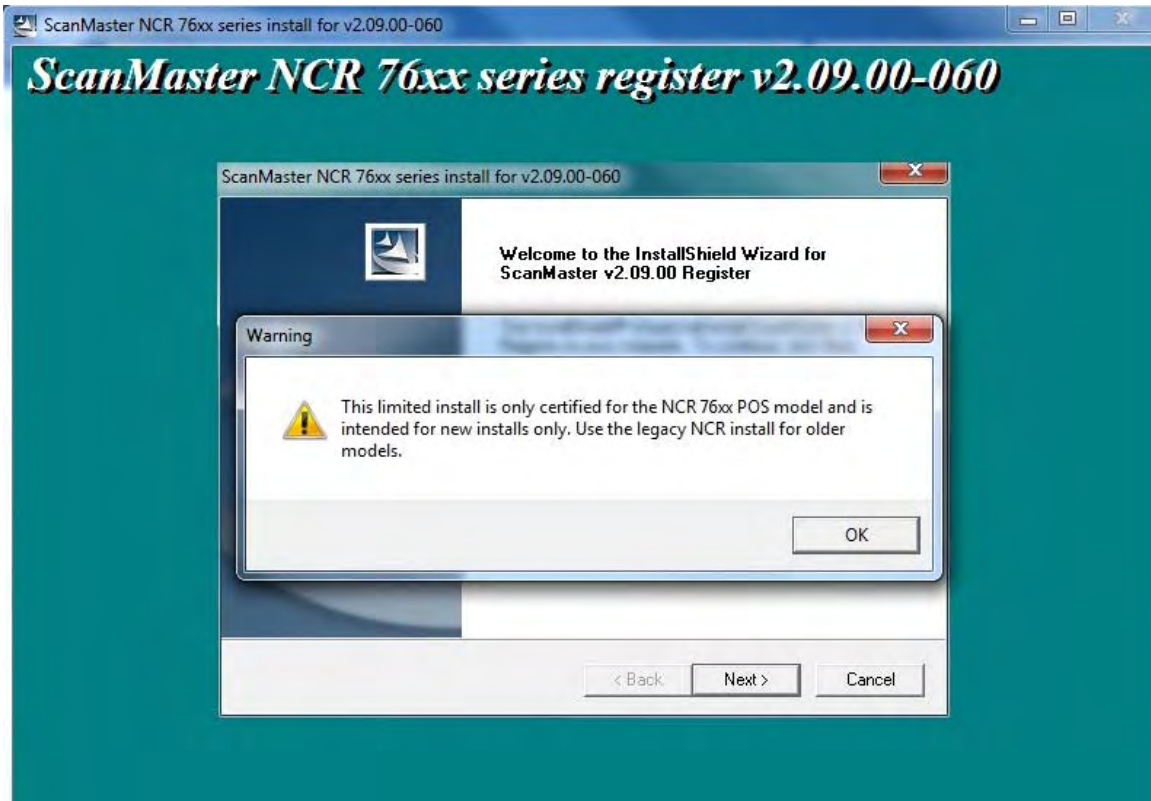


POS install screens:

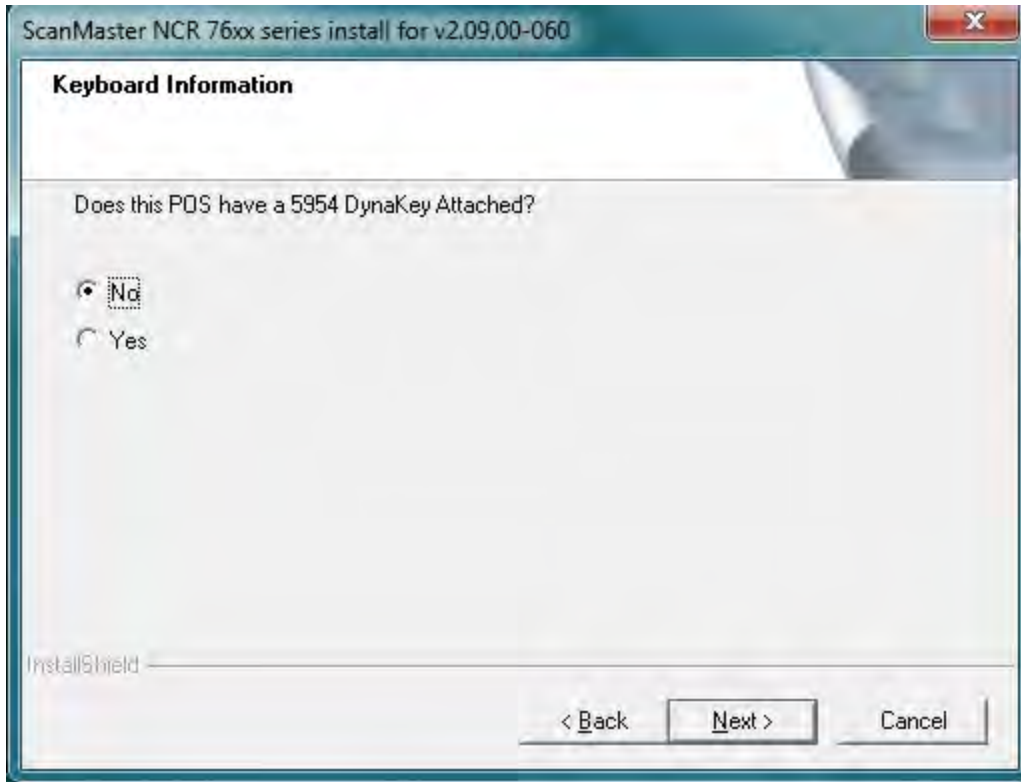


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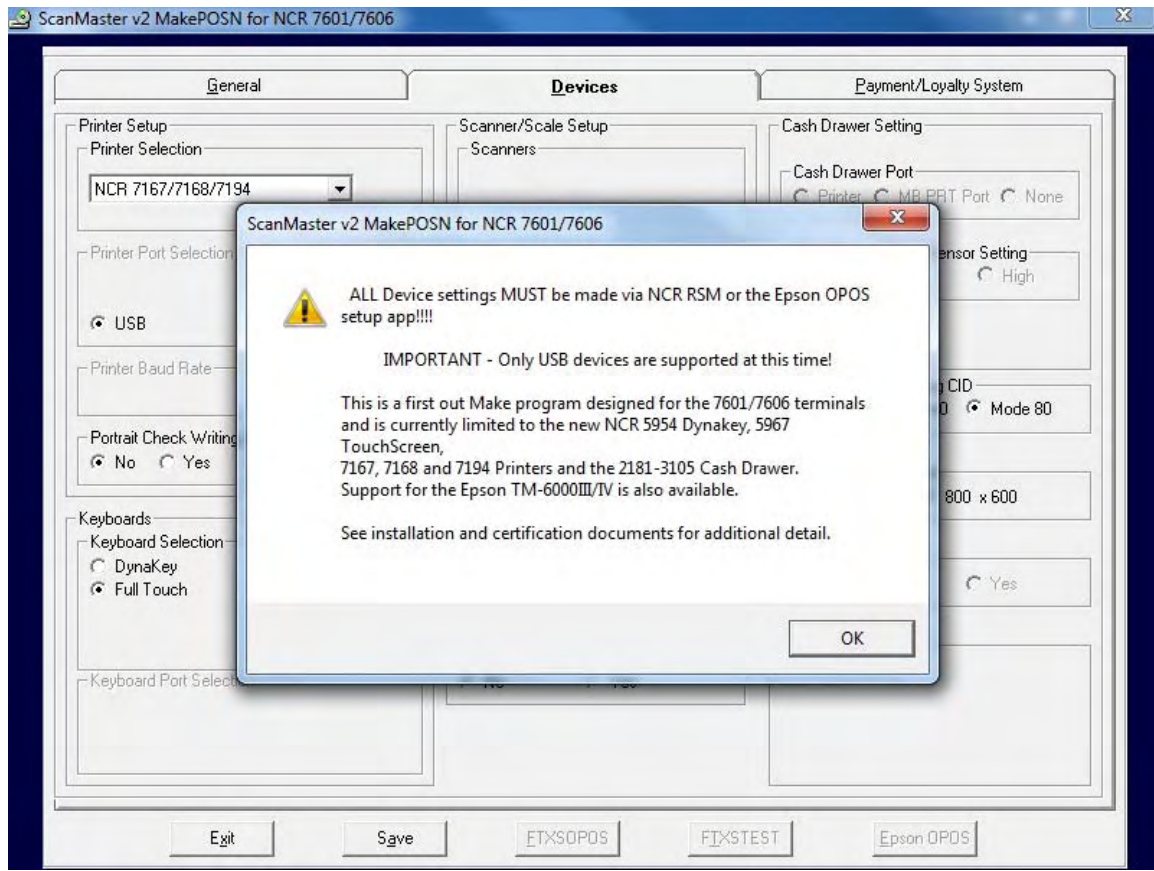


Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

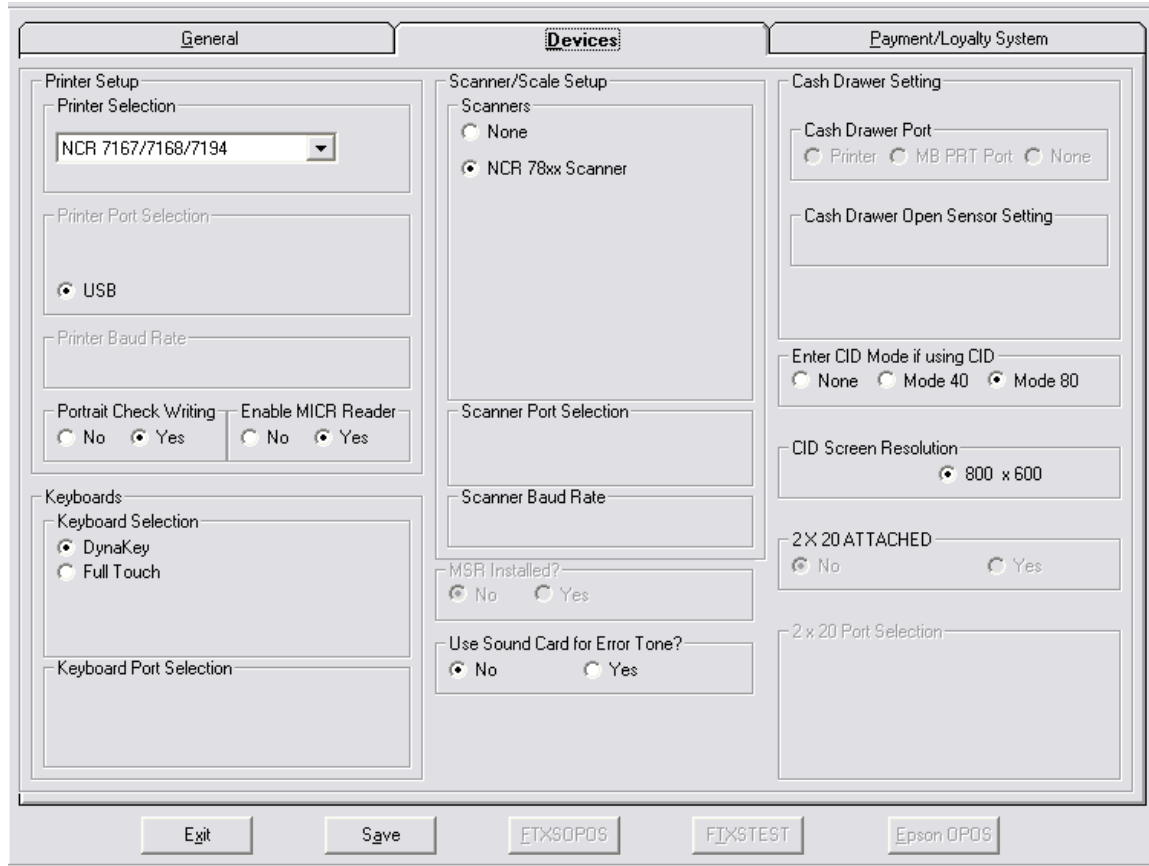


Upon completion of the POS install, a new MakePOSN program will run. Set devices as normal. Note: This is a limited, first out version of the program and is only set for those devices certified at the time of this release.

Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7



Note: This is just a sample screen shot and your selections should match your install options and what devices are attached. The MakePOSN program should only be run after the Device Profiles are installed. The ScanMaster install will have installed the Device Profiles prior to running the MakePOSN program.

Once the POS is installed the ScanMaster application should run. The POS application will most likely come up with a device error. This is expected. Close the ScanMaster POS application and run the NCR RSM application by double clicking the RSM LE icon on the desktop.

After completion of the ScanMaster POS install go back into Control Panel, Action Center and uncheck all of the notification options.

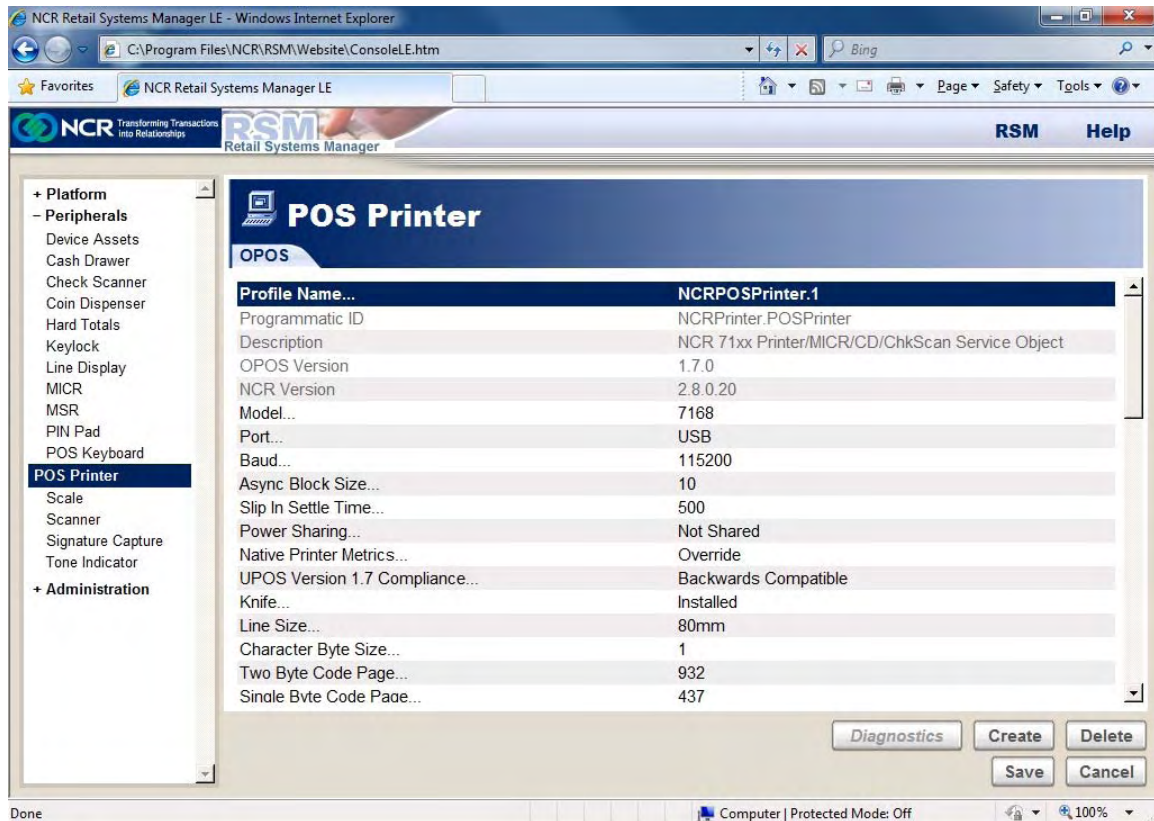
Setup Devices:

The following devices profiles were installed by the ScanMaster Install:

NCRCashDrawer.1, NCRMICR.1, NCRPOSKeyboard.1, NCRPOSPrinter.1, NCRScale.7872, NCRScanner.7872 and NCR ToneIndicator.1. Other profiles were installed via the RSM install but only those listed above are currently supported by ScanMaster. Changing to other profiles will cause device failures in ScanMaster.

Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

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.



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).

Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

IMPORTANT: The Dynakey keyboards ships with the Keylock in the L position disabling the keyboard. Prior to using the Dynakey, put the Keylock in either the R or S position.



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.

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

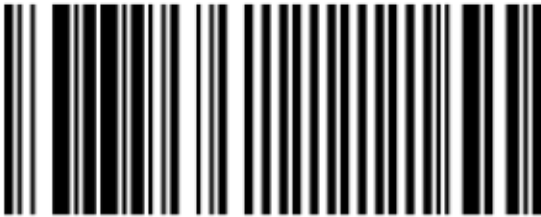
(Start)

Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

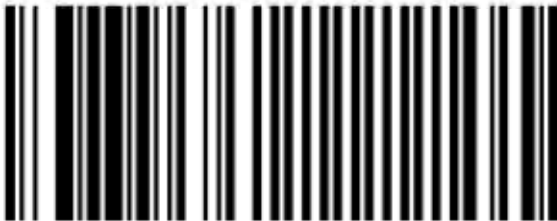
Reset



Default



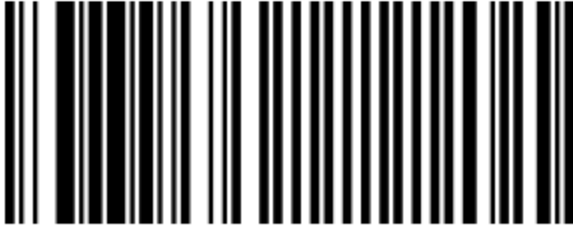
Programming Mode



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

(Set to USB Communication Protocol)

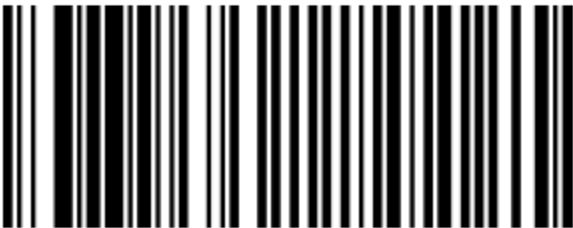
Hex 1



Hex 0



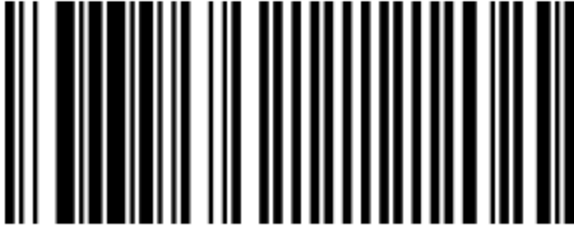
Hex D



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

(Enable periodical codes)

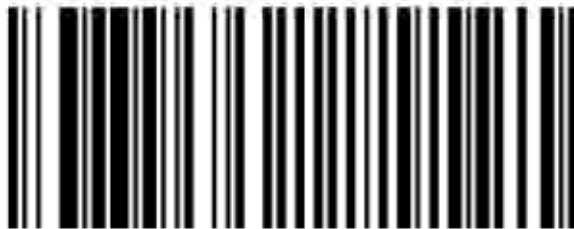
Hex 1



Hex 3



Hex E

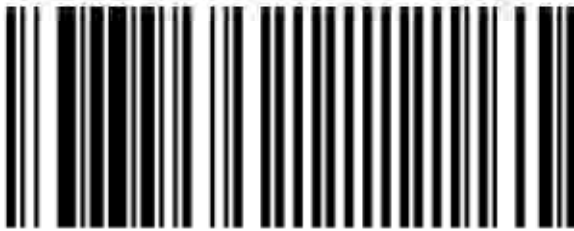


Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

Hex 1



Hex 2



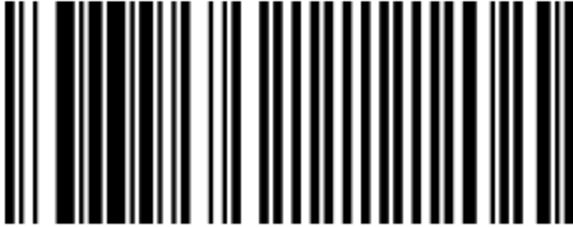
Hex 0



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

(Enable Interleaved 2 of 5)

Hex 1



Hex 5



Hex A



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

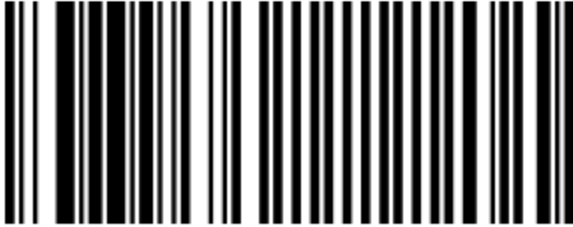
Hex 1



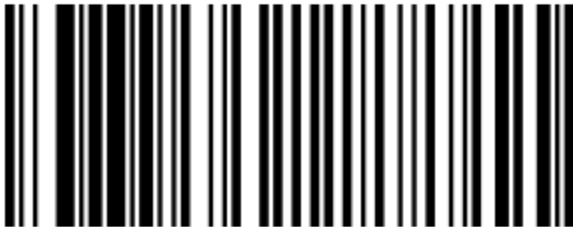
Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

(Enable Code 128)

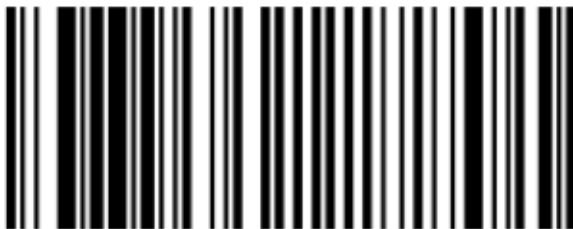
Hex 1



Hex 7

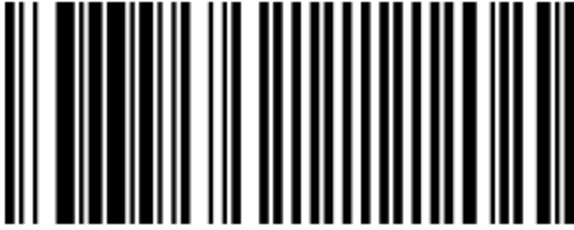


Hex A



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

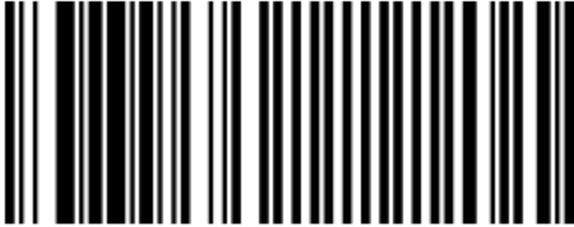
Hex 1



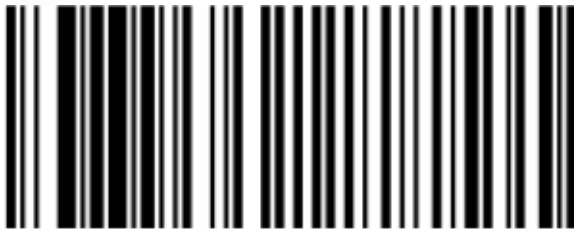
Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

(Enable DataBar)

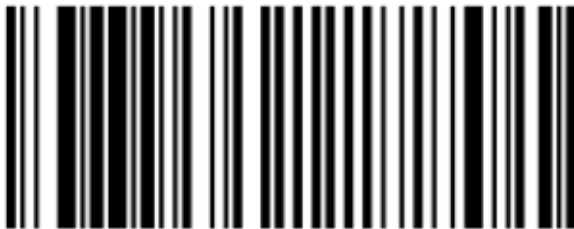
Hex 1



Hex 8



Hex A



Installing ScanMaster on the NCR 7601 and 7606 using POSReady 7

Hex 3



(Finish)

Save and Reset

