



# ScanMaster

- *ScanMaster V2 Installation Guide*
- *NCR 7607 POS Terminal*
- *(RealPOS XR8)*
- 
- 



## ScanMaster V2 Installation Guide

Date of Issue	Product ID	Part Number	Brief Description
April 2013	45001/083	89000761	NCR RealPOS 60 / 82XRT
June 2013	45001/083	89000768	NCR RealPOS 60 / 82XRT v1.01
February 2014	45001/083	89000801	NCR RealPOS 60 / 82XRT v1.02
February 2014	45001/083	89000803	NCR RealPOS 40 Release 2
January 2015	45001/083	89000821	NCR RealPOS XR7
April 2015	45001/083	89000827	NCR RealPOS 25 Release 2
May 2015	45001/083	89000832	NCR RealPOS 50
August 2015	45001/083	890008	NCR RealScan 2356-6701
August 2015	45001/083	89000860	NCR RealPOS XR6 (7603)
September 2016	45001/083	89000863	NCR RealPOS XR8 (7607)

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## **Configure Bios and POSReady 7 on the NCR XR8 (7607) for ScanMaster**

Obtain the required files (zip file) needed for the XR8 (7607) from the Channel Partners website.

Current BIOS version at this writing is 2.0.6.0. It is recommended to update to this version.

If installing a 59XX Display the minimum Firmware on Monitor required is v010\_20150210\_1400. This is displayed on initial power up in center of display. There is a known intermittent Blank Screen issue on reboot if below this version of firmware. The latest version is included in the required file zip (59xx\_XSeries\_STDP602x\_Scalar\_v010\_20160204\_1058.)

Check the BIOS settings to ensure that the Network: IBA CL Slot is Disabled and under Fixed Boot Order Priority that the 1<sup>st</sup> device is set to the Hard Disk. If the Network boot is enabled, the boot time of the POS will be considerably longer.

The NCR XR8 (7607) comes preloaded with POSReady 7 SP1. For the out-of-box setup, only attach the keyboard, mouse and monitor. After initial power up the POS will auto login as user NCR and no password.

Accept the license terms.

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

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**.

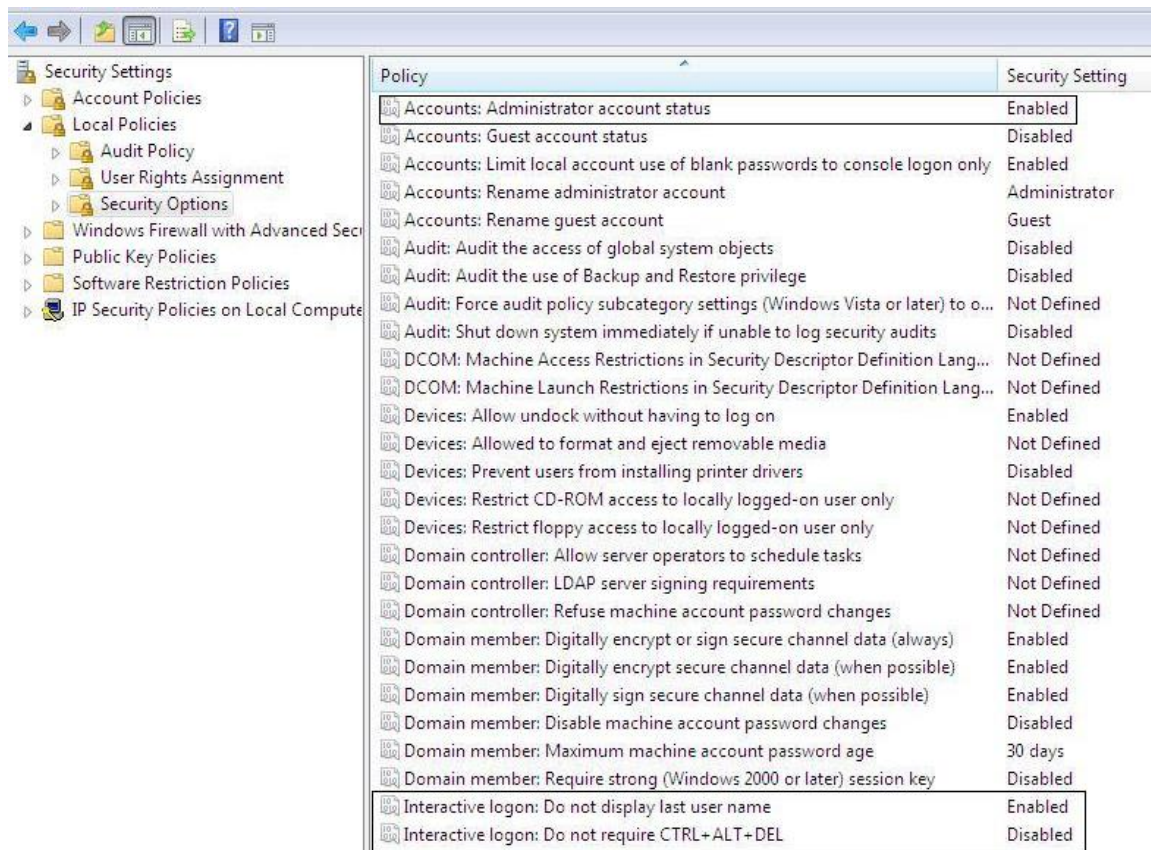
Set "**Interactive logon: Do not require CTRL + ALT + DEL**" to **Disabled**.

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**.

Set "**User Account Control: Run all administrators in Admin Approval Mode** to Disabled. (**Error 70 – Permission Denied errors after the ScanMaster POS install have been seen in some instances if this setting is Enabled or Not Defined**).

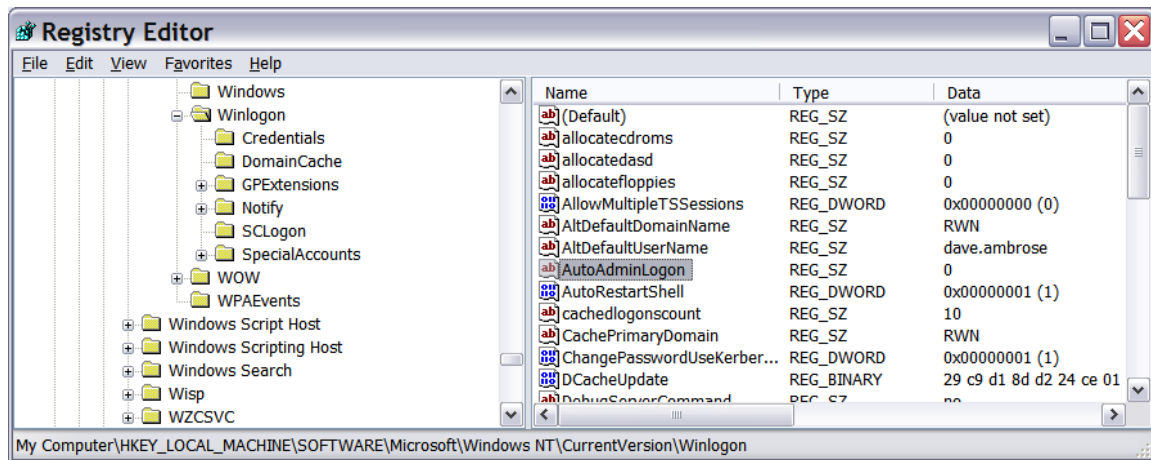
## Installing ScanMaster on the NCR XR8 (7607) using POSReady 7



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 XR8 (7607) 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.

Verify Windows Update.

Click Change Settings.

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

Click OK.

Return to the main Control Panel.

Verify Power Options.

Verify High Performance is selected.

Return to the main Control Panel.

Click Network and Sharing Center.

Click Change adaptor settings.

## Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

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.  
Under Advanced Settings turn off domain firewall.  
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  
Close the Control Panel.

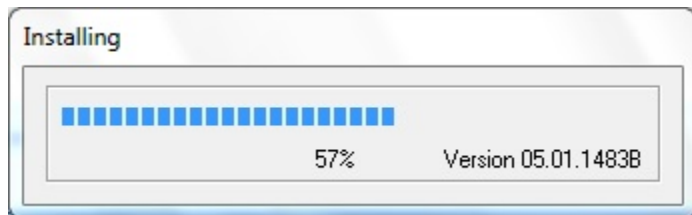
If the computer name or workgroup name needs changed, click System.  
Click Advanced system settings.  
Under the Computer name tab, domain and workgroup settings, click Change setting. If prompted for a reboot, accept and let the system reboot to update its settings.

## Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

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

POSReady 7 is now be ready for software installation. The XR8 uses the Touch Base Driver. Extract the Touch Base Drivers\_05\_01\_1483 from the required files downloaded earlier and place in c:\Install\Drivers\Touch-Base\_1483 (create this folder). Right click and install as Administrator. Calibration when using this driver should NOT be performed. NO calibration is necessary.

Click Install. (ONLY CLICK ONCE- Please wait as there is a noticeable delay before you see install progress)

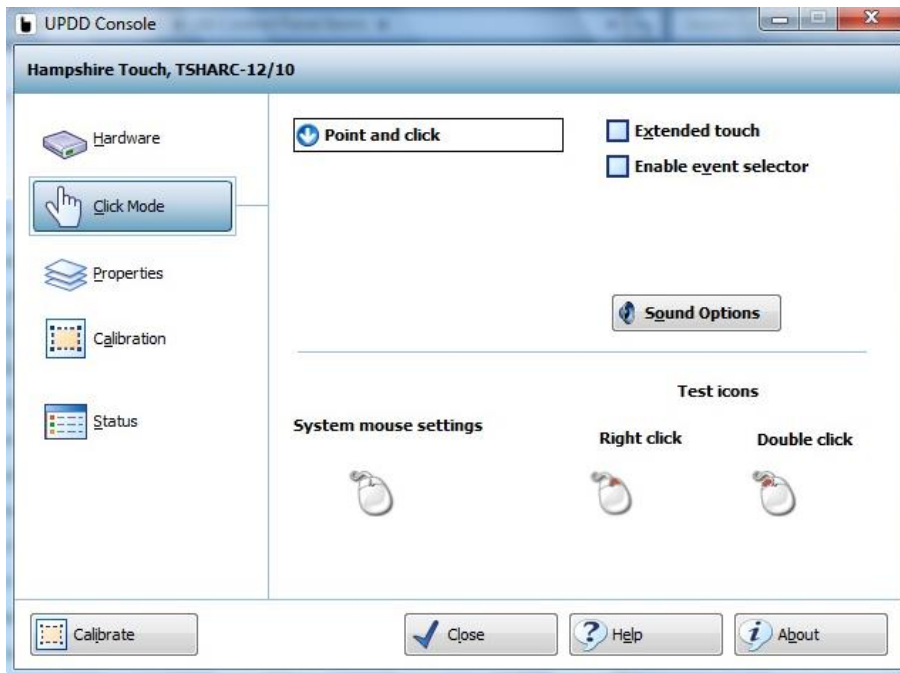


## Installing ScanMaster on the NCR XR8 (7607) using POSReady 7



Click Close.

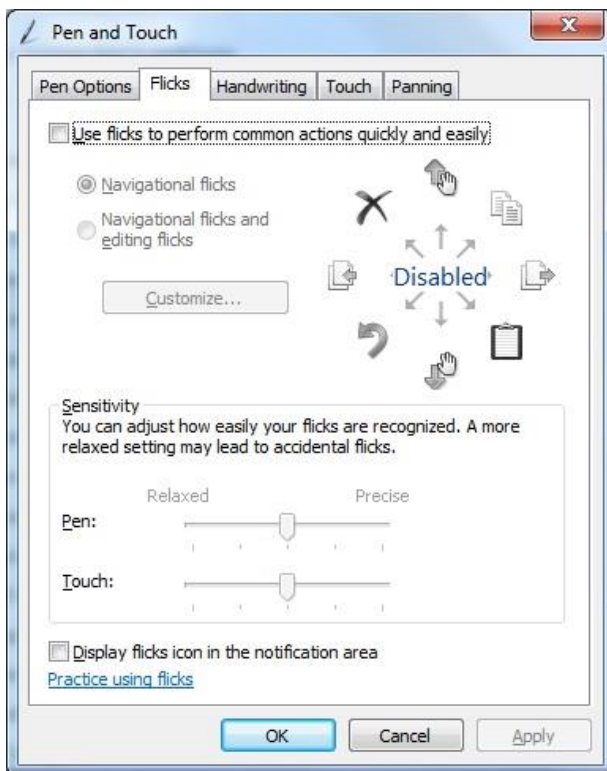
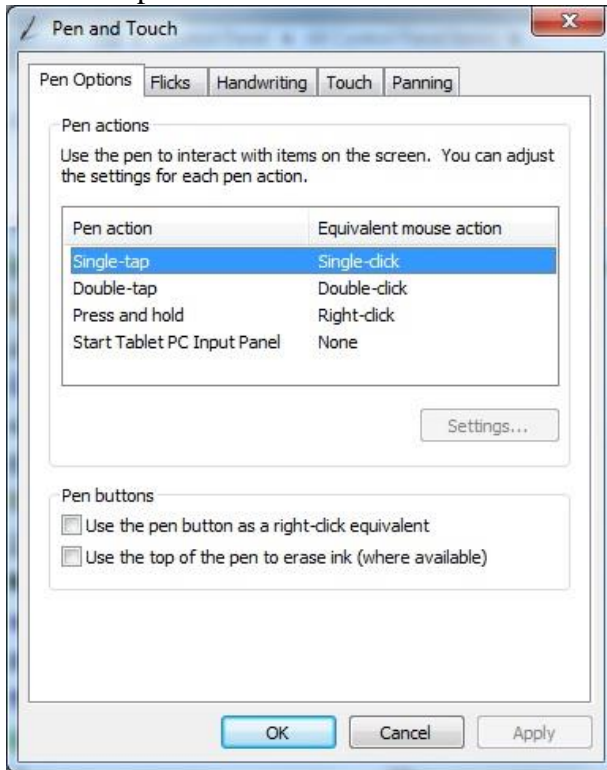
Under Control Panel-> Pointer Devices  
Select Point and click.



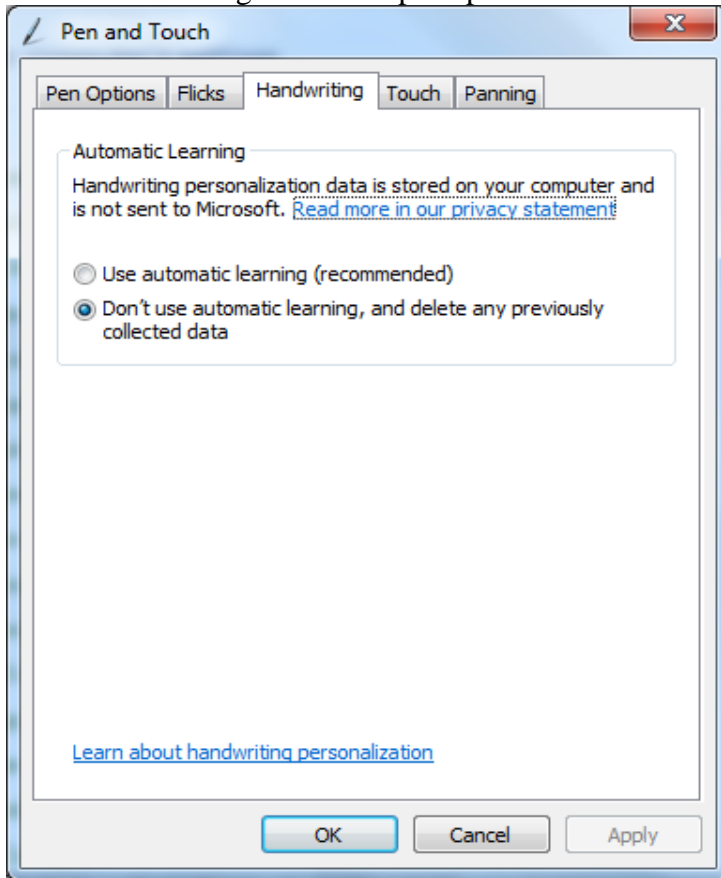
Select Close.

**Under Control Panel-> Pen & Touch.**

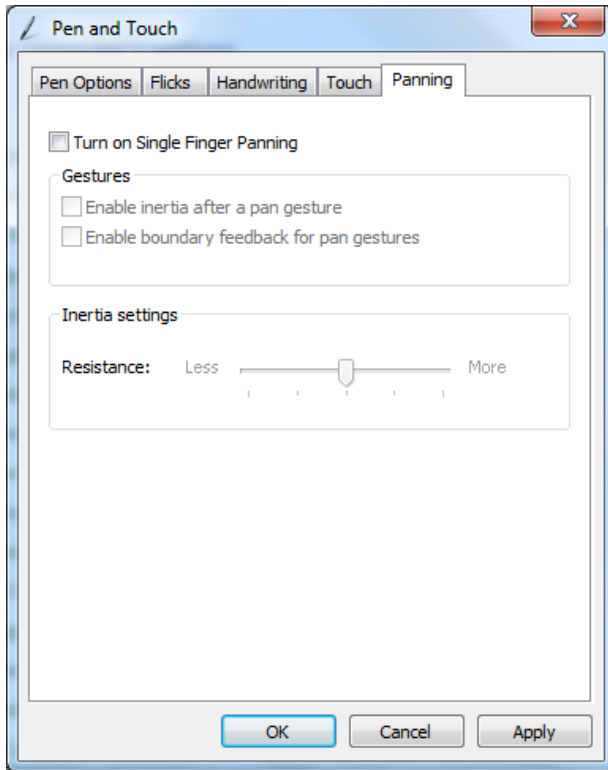
Turn off options as indicated below.



Delete handwriting data when prompted

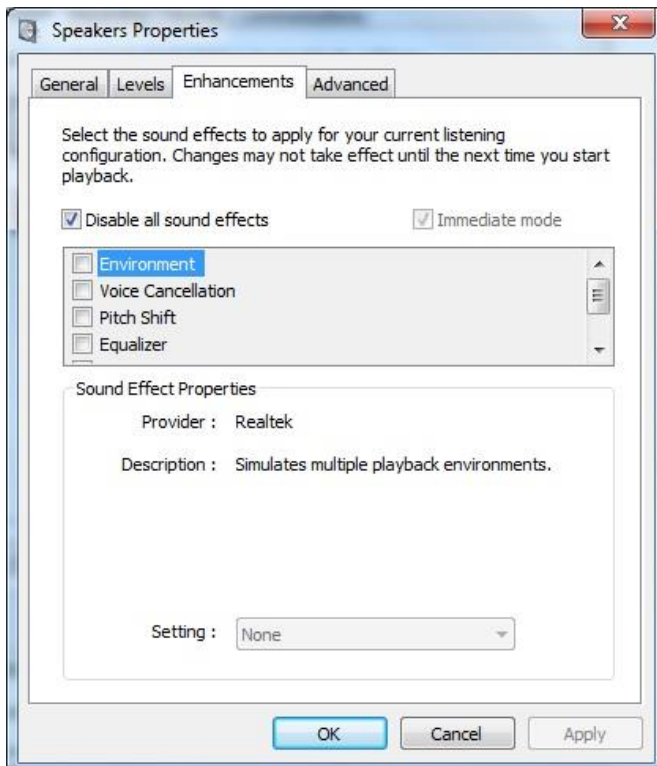


## Installing ScanMaster on the NCR XR8 (7607) using POSReady 7



### Control Panel -> Sound

Click on Playback Tab, Click on Speakers, Click on Properties and Click on Enhancements Tab and Disable All sound effects. Do the same for any other speakers listed.



Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

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

From the Channel Partners website download required files needed for XR8 (7607). Create the folder RPSW under C:\Install\Drivers and extract the RPSW\_4200\_32bit\_D370\_0924.zip to that folder.

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

The installation starts.

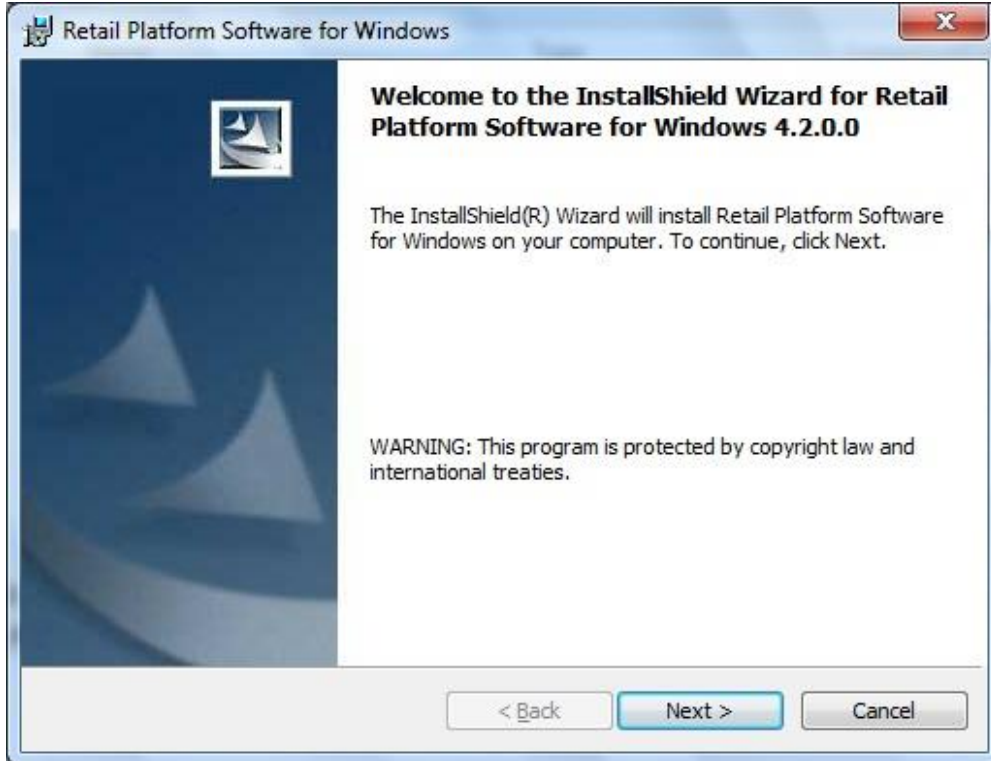


The machine type is detected. Click Confirm (don't change the other drop downs).



## Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

Click Next at the Welcome screen.

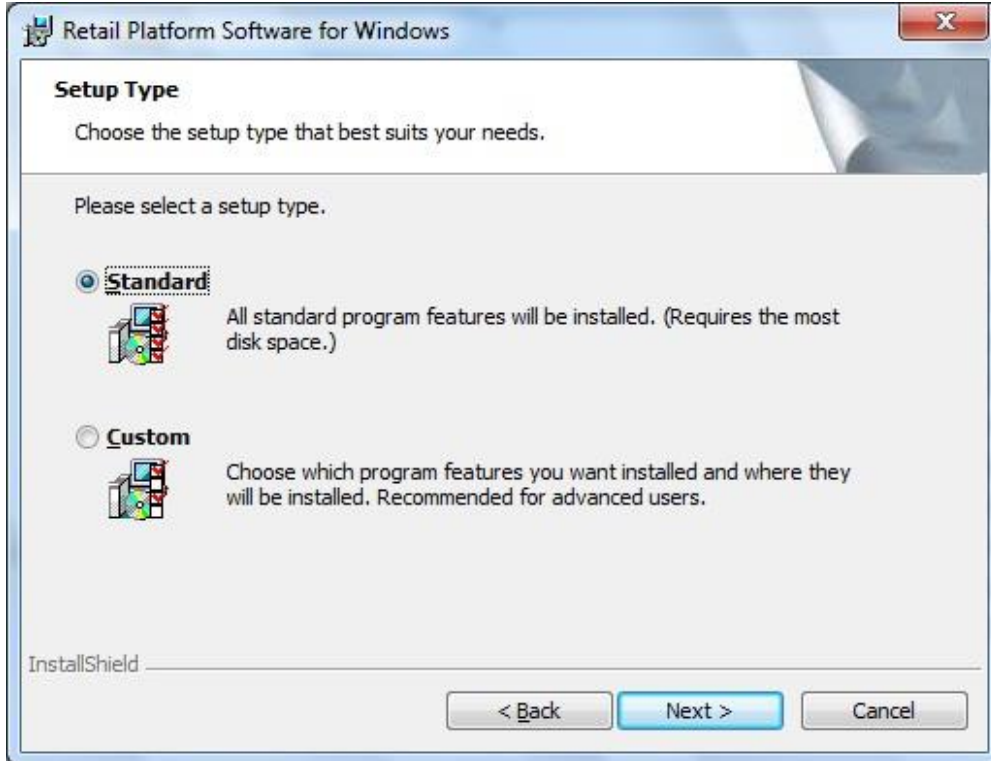


Click the I accept the terms ..... box and click Next.



## Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

At the Setup Type screen select Standard and Click Next.

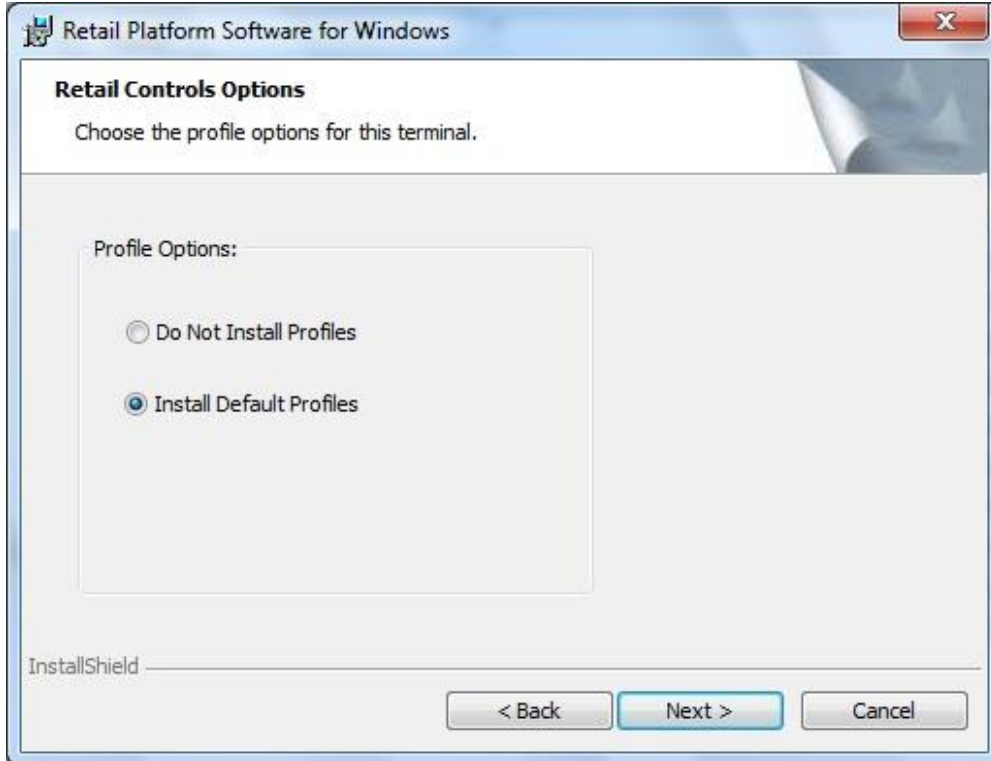


At the Control Object Warning screen select OPOS Committee Common Controls and click Next.



## Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

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

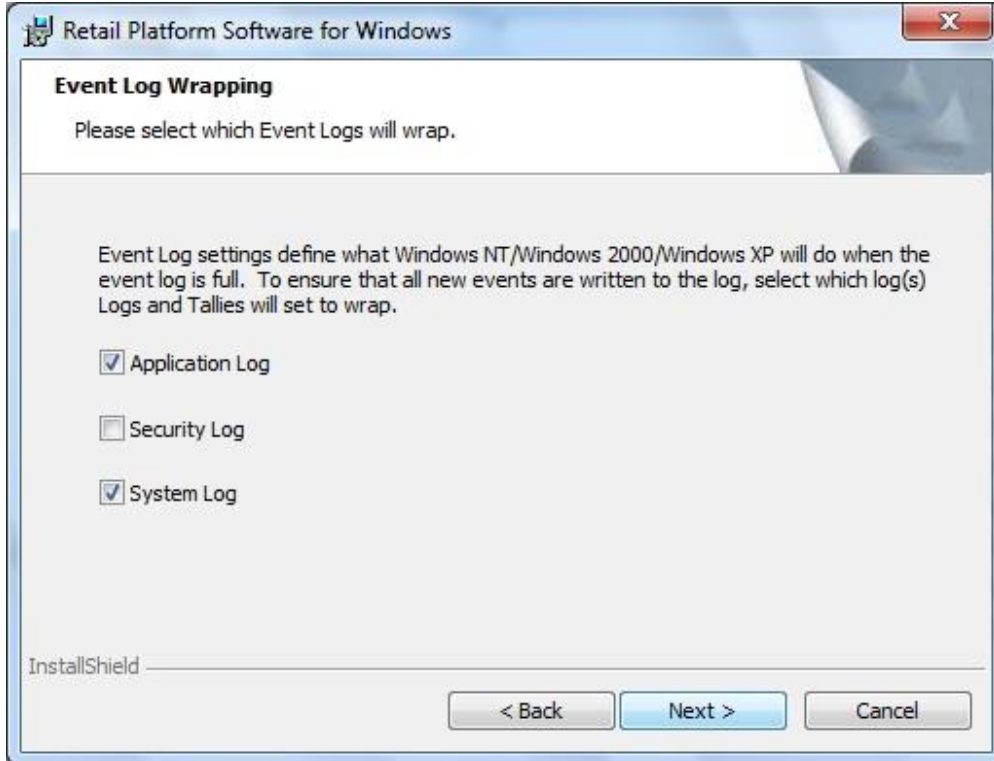


At the Retail Systems Manager Options screen select Local Only and click Next unless you are using a RSM server for remote management, in which case chose Managed by RSM Server and answer the additional questions on the screen.



## Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

At the Event Log Wrapping screen click Next.

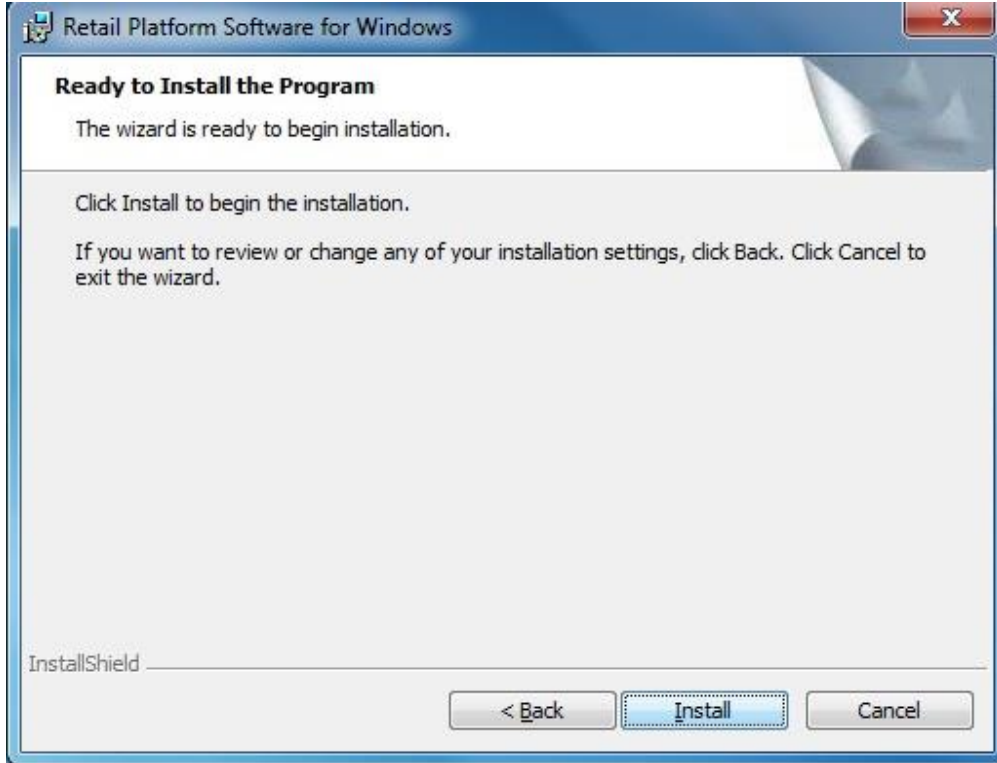


At the Security Setting Options screen select Modify security settings and click Next.

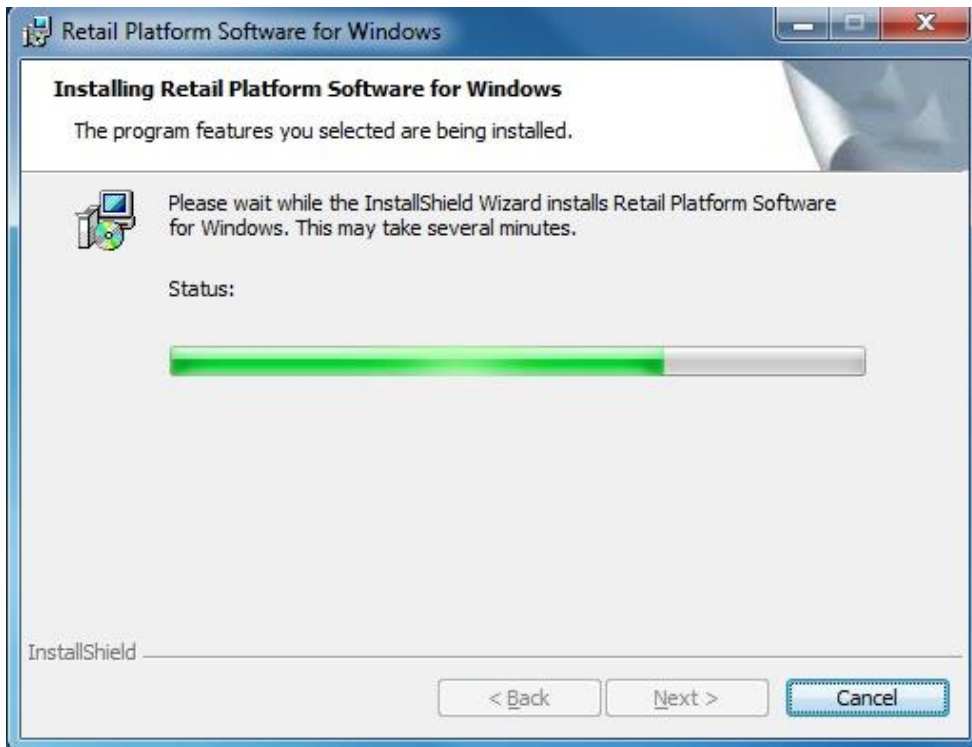


## Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

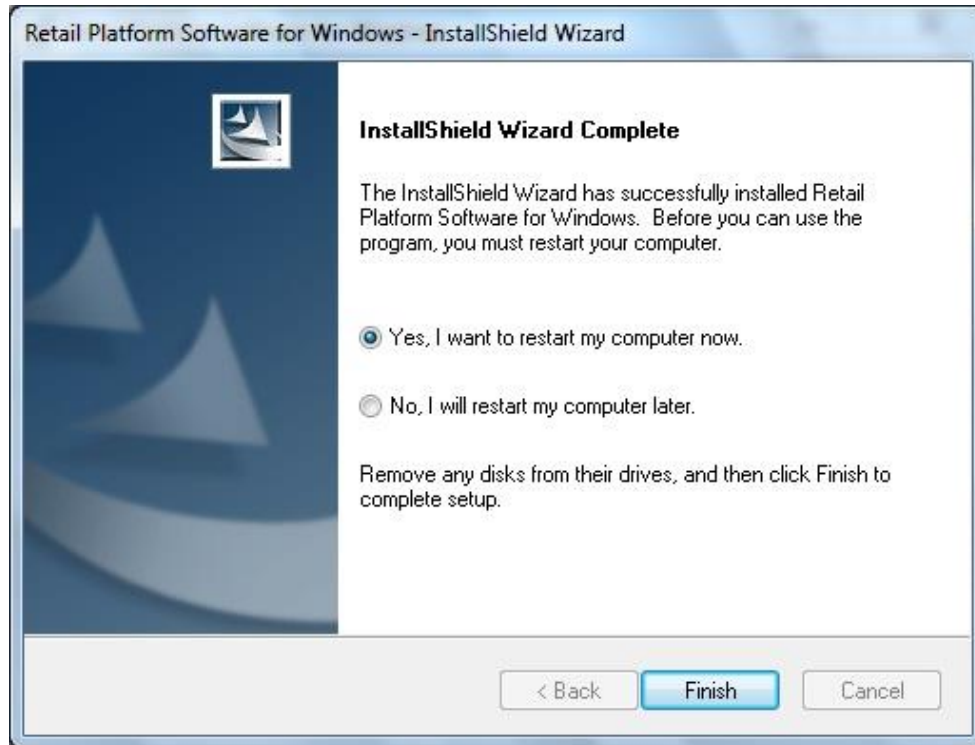
At the Ready to Install the Program screen click Install.



RSM is installed.



## Installing ScanMaster on the NCR XR8 (7607) using POSReady 7



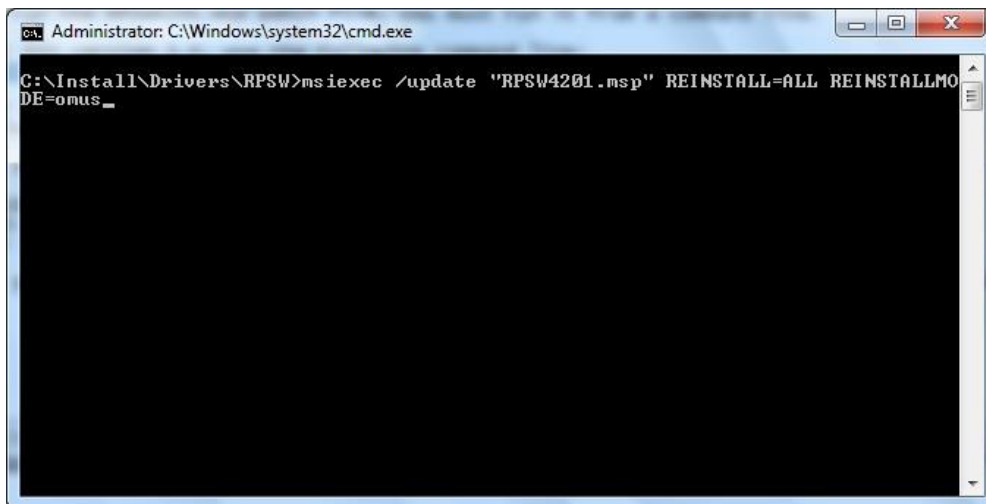
Click Finish to restart computer. Log back in and continue.

You must also apply the RPSW4202.MSP patch after installing RPSW4200.

### **Applying RPSW4202 patch to currently installed RPSW4200**

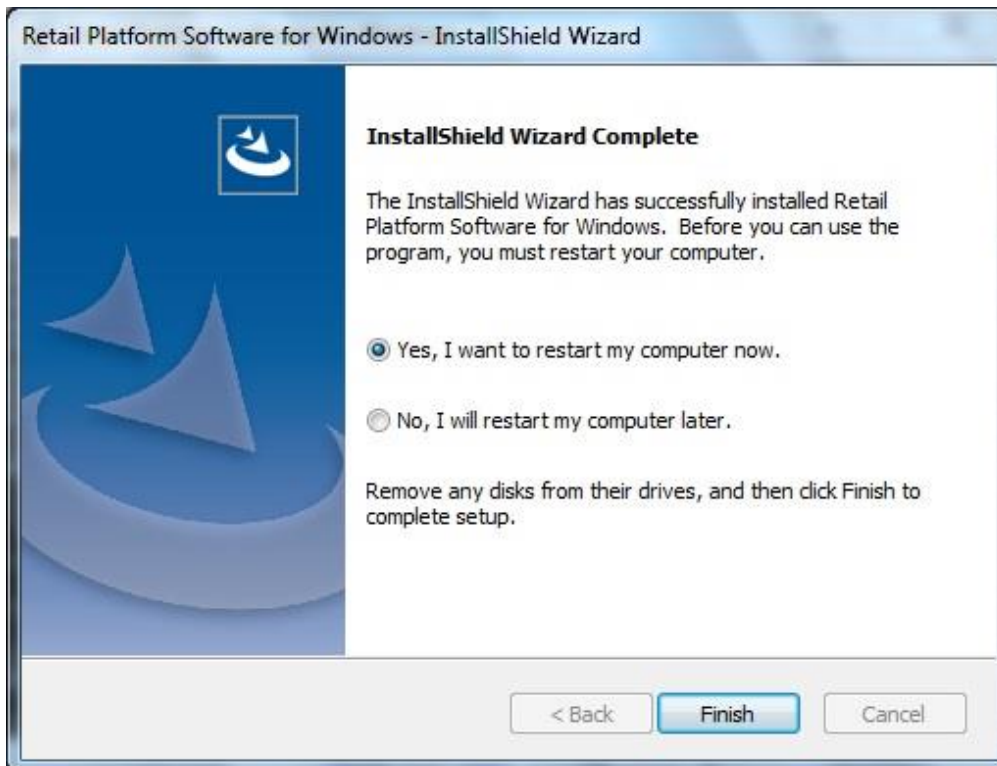
- 1) Copy the RPSW4202.MSP patch to your local drive and from a command line path to that location and run the following command:

```
msiexec /update "RPSW4202.msp" REINSTALL=ALL  
REINSTALLMODE=omus
```



## Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

Click Update.



## Installing ScanMaster on the NCR XR8 (7607) 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 XR8 (7607) motherboard regardless of which printer is used.

At the restart message box click Yes.

At the completed screen click Finish.

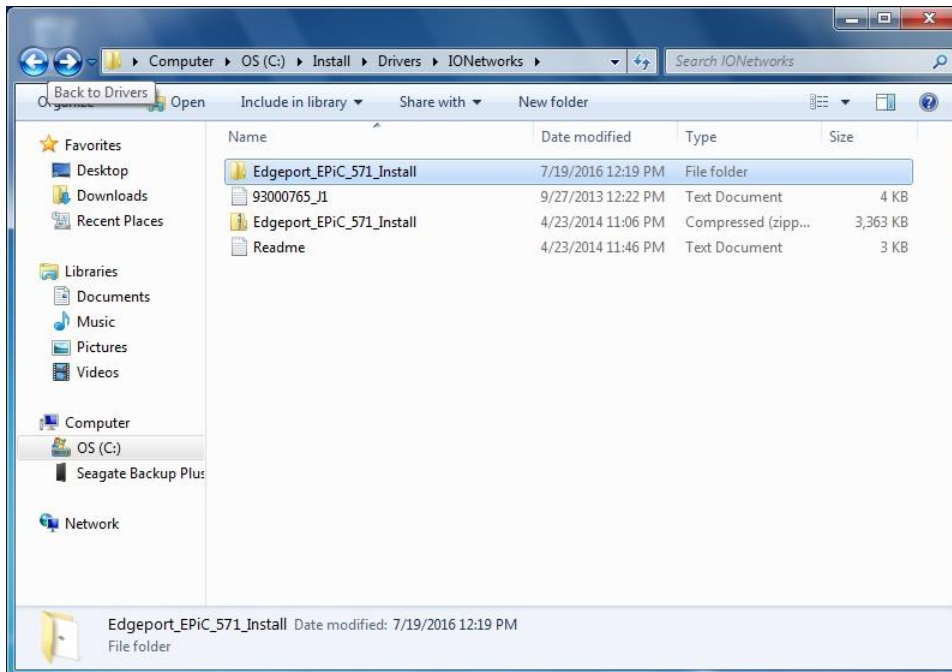
After reboot, logon as administrator.

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

**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.**

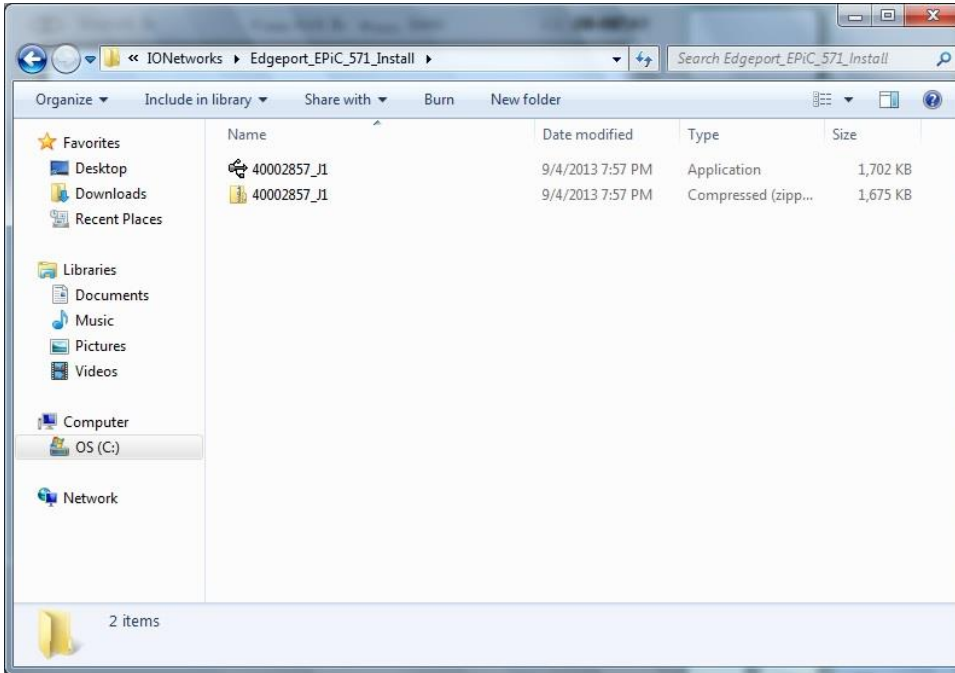
Installing NCR printer drivers (IONetworks). Use the IO\_Network\_Win\_7\_XP\_40002857\_J1.zip obtained earlier when you download required files for XR8.

Rename existing IONetworks folder to IONetworks\_OLD. Extract IO\_Network\_Win\_7\_XP\_40002857\_J1.zip to C:\install\drivers\IONetworks. Extract the Edgeport\_EPiC\_571\_Install into the IONetworks folder.

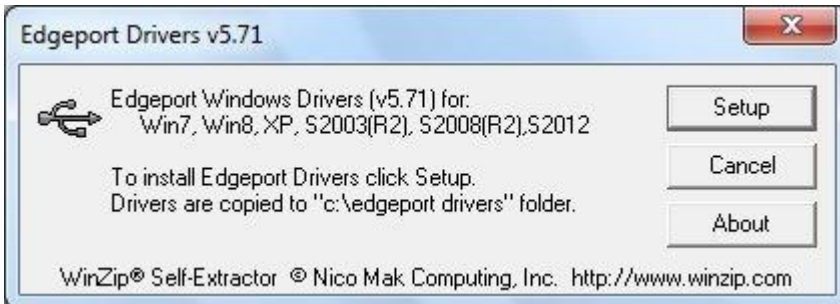


## Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

Click on the Edgeport\_EPiC\_571\_Install folder created and right click and run 40002857\_J1 as administrator.



Click Setup to install. Drivers will be automatically installed for the NCR printer.



Restart and login as administrator.

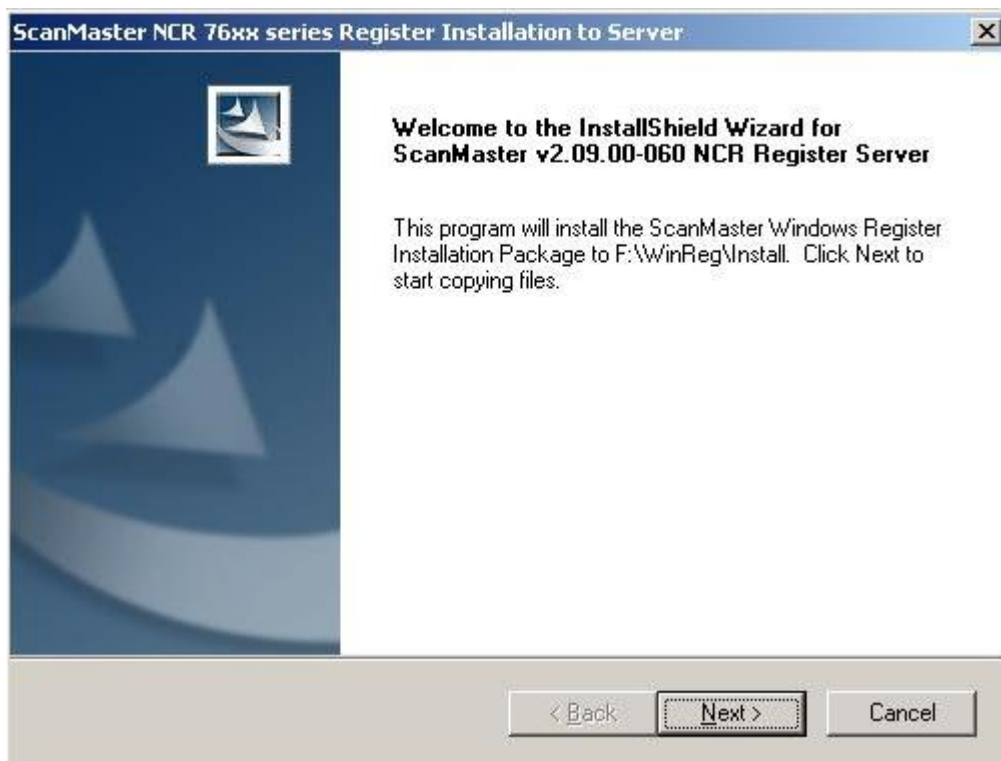
If you are using an Epson TM-6000III/IV USB printer, install the Epson OPOS and set up the printer via the Epson utility.

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. Install v2.09.00-060, obtain the new NCR limited full install files along with the regular patch files from the Channel Partner website and also the latest patch which at the time of this writing is patch 2.09.00-140. Starting with v2.09.01-050 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.

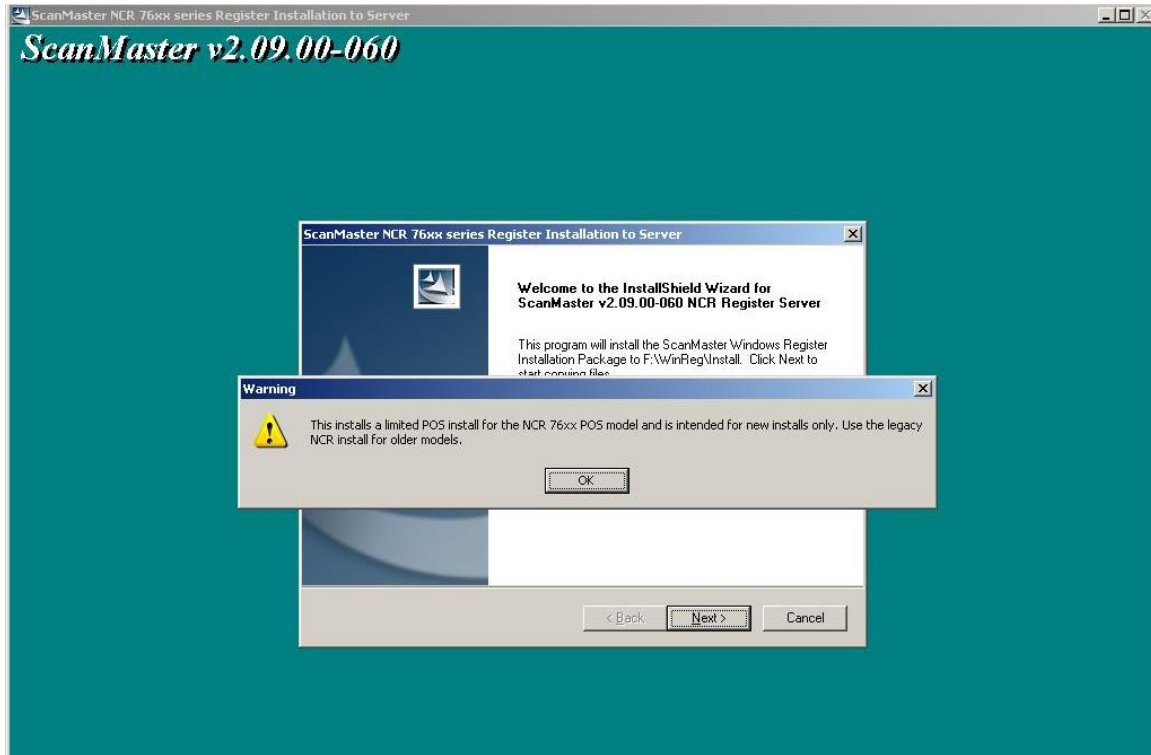
## Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

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

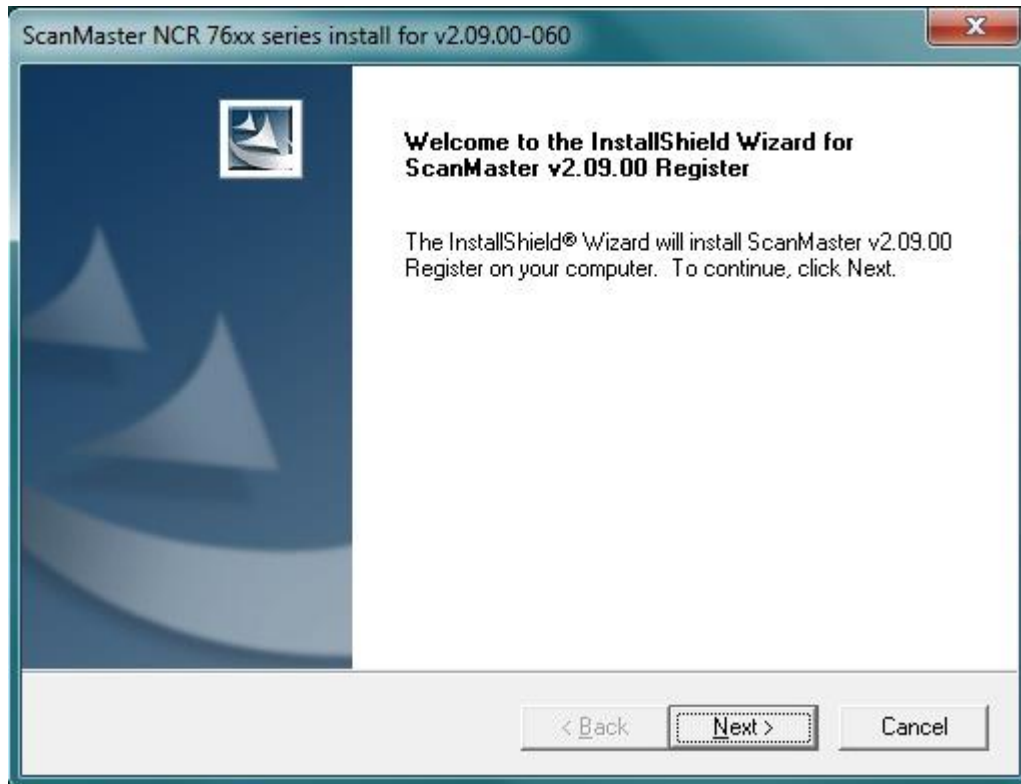
Install NCR register install to server screens:



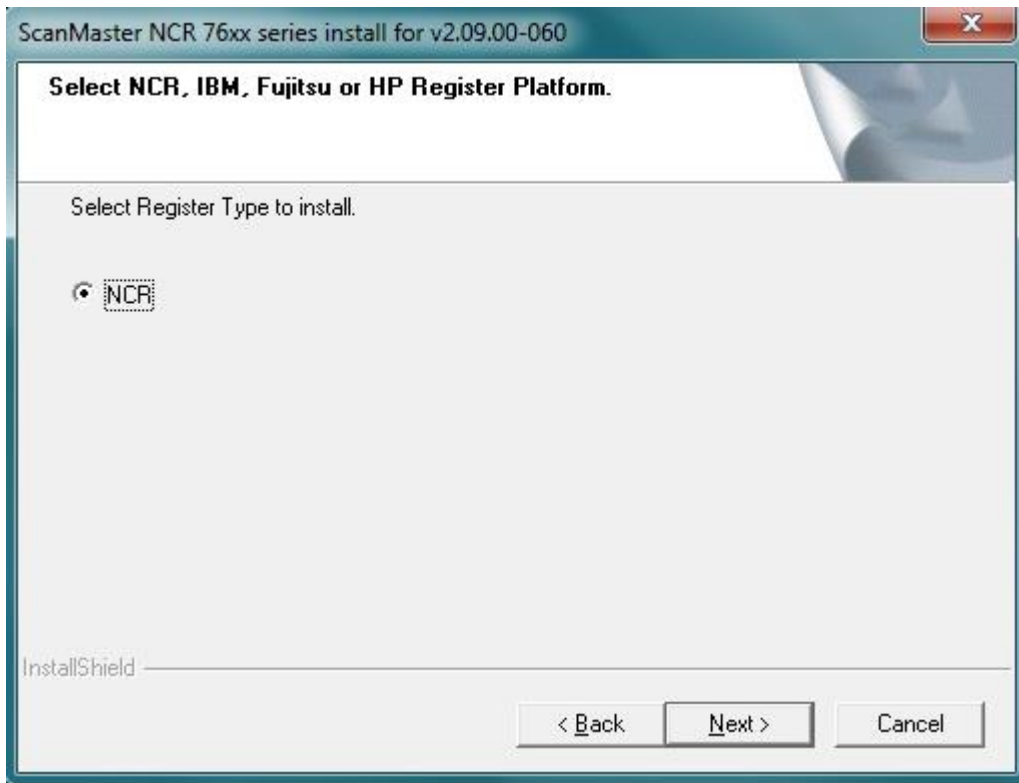
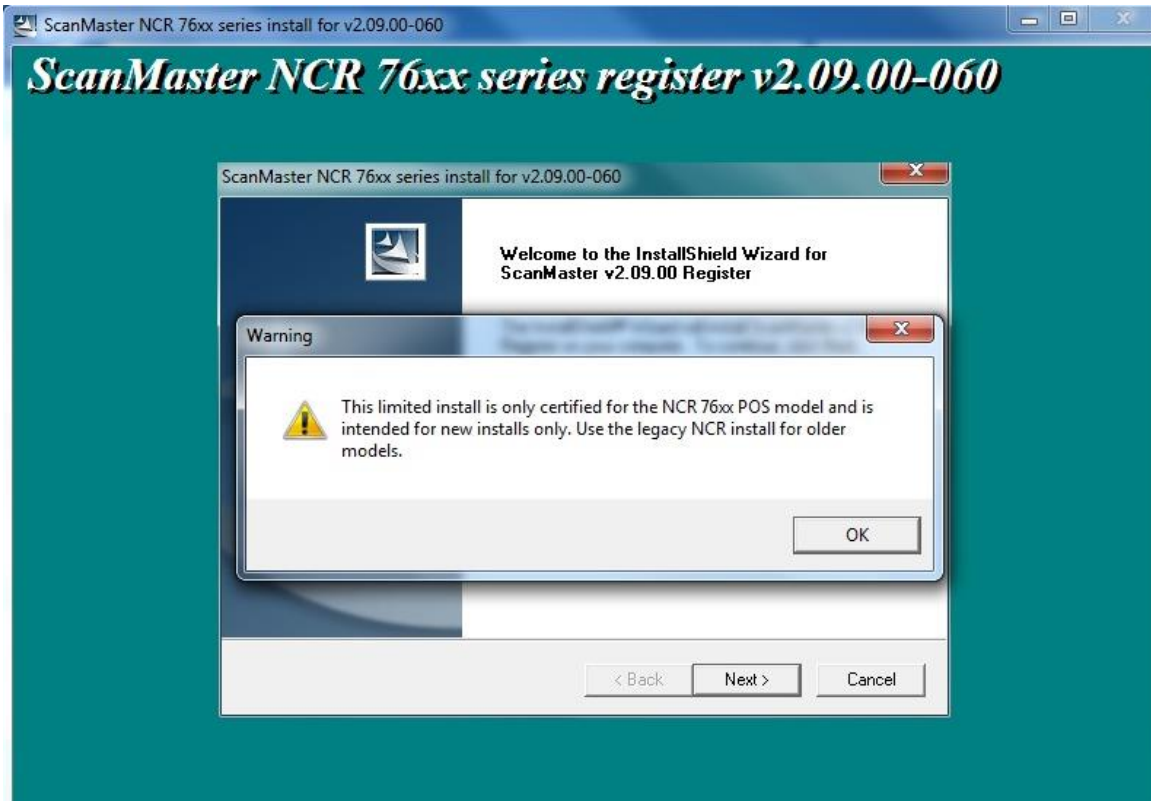
## Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

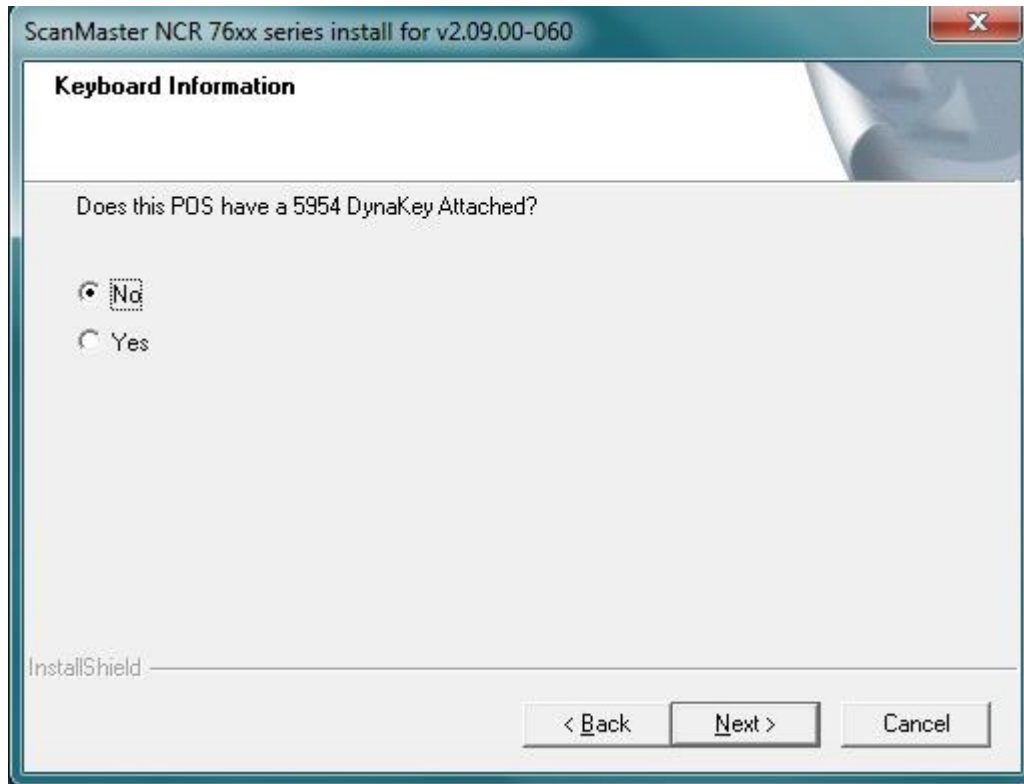


POS install screens:



Installing ScanMaster on the NCR XR8 (7607) using POSReady 7





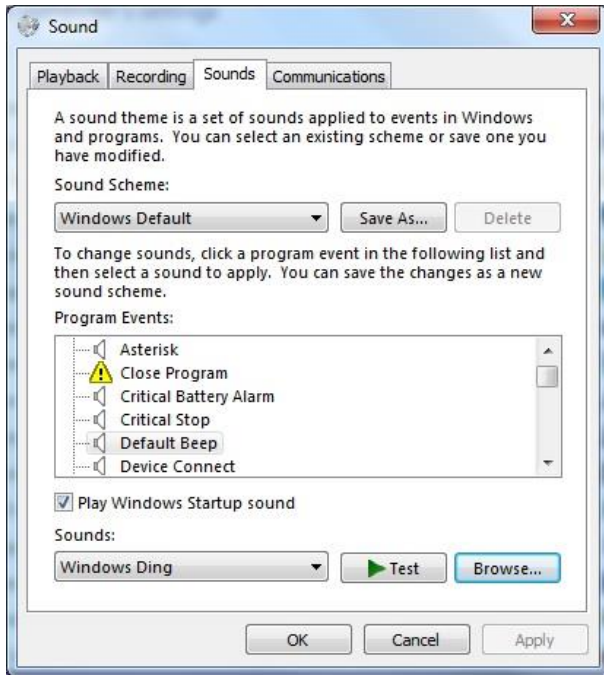
Upon completion of the POS install, a new MakePOSN program will run. Set devices as normal. Note: This is a limited, first out version of the program and is only set for those devices certified at the time of this release.

Note: Manually edit `c:\regstart.dat` and add `\TOUCHSND` to support beeps on touch. There is no internal speaker in the XR8 (7607) but you can also set the Default Beep to `c:\error.wav` when using external speaker or a display with internal speaker. Selecting YES for "Use Sound Card for Error Tone in MakePOSN will add `\SCERROR` to `regstart.dat`.

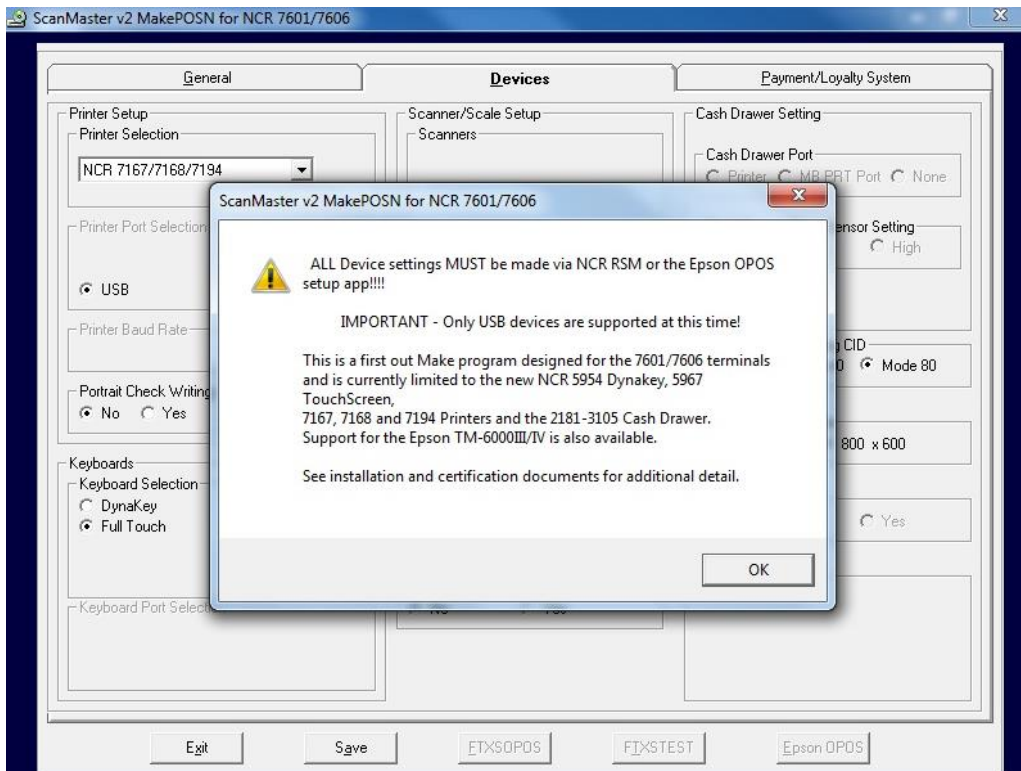
Note: If you are using the scanner to beep on errors do not use `\SCERROR` option. You should use one or the other but not both together.

## Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

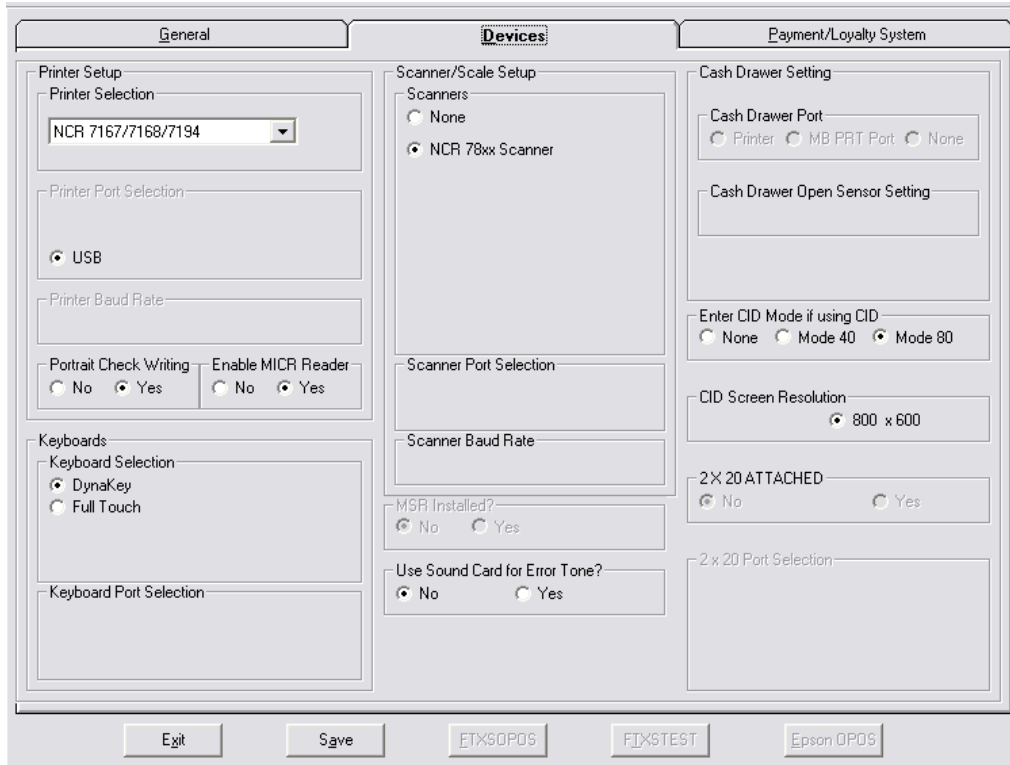
Click on Default Beep and Browse to C:\Grocery\Error.Wav to select. Click Apply. Click OK.



Click OK.



## Installing ScanMaster on the NCR XR8 (7607) 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.

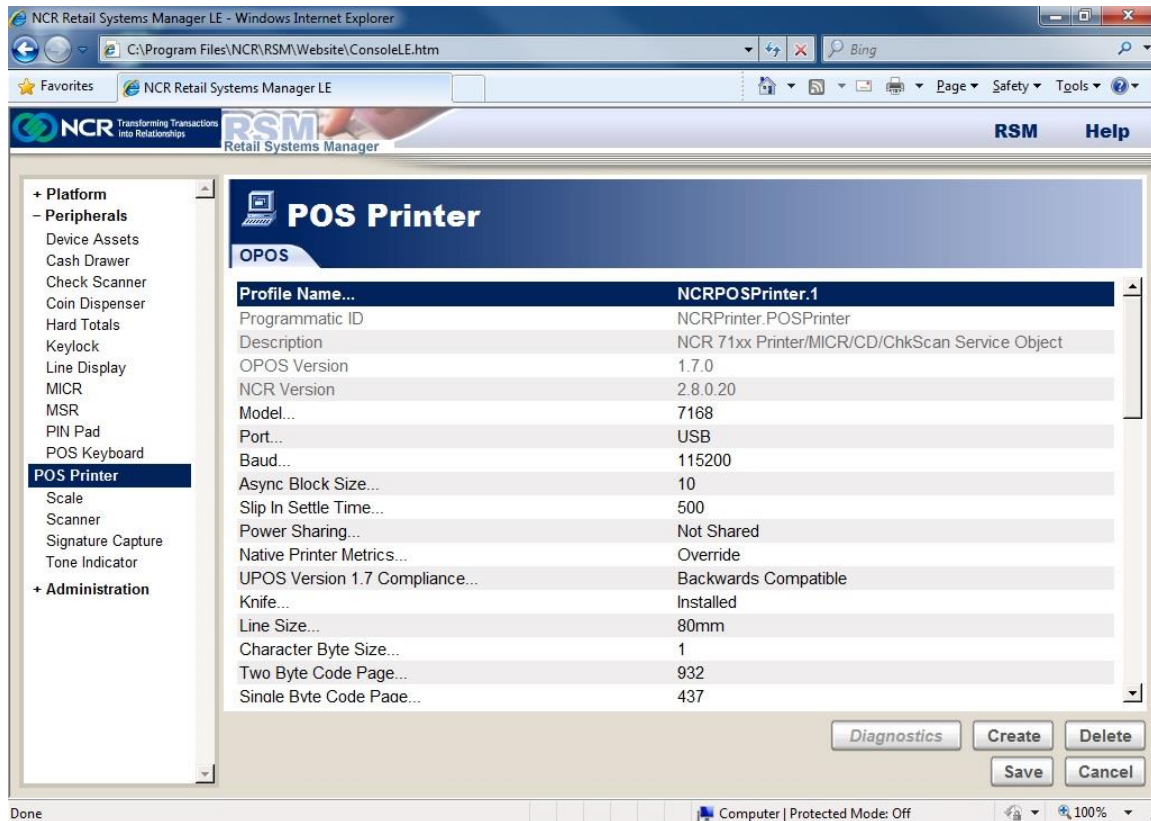
After completion of the ScanMaster POS install go back into Control Panel, Action Center and uncheck all of the notification options.

### Setup Devices:

The following devices profiles were installed by the ScanMaster Install: NCRCashDrawer.1, NCRMICR.1, 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 ScanMaster. Changing to other profiles will cause device failures in ScanMaster.

## Installing ScanMaster on the NCR XR8 (7607) 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).

**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.**

Installing ScanMaster on the NCR XR8 (7607) using POSReady 7



## Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

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.

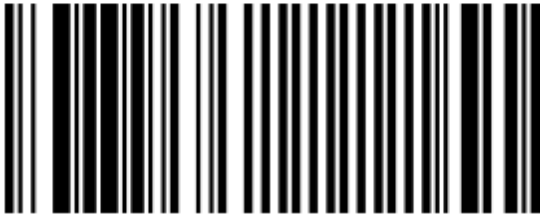
78XX Scanner programming tags:  
To Program the 78XX for ScanMaster

(Start)

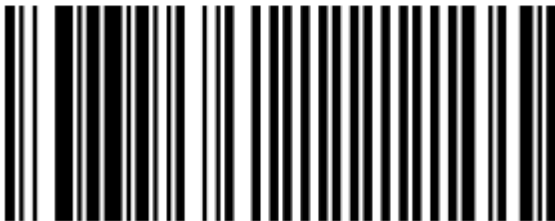
Reset



Default



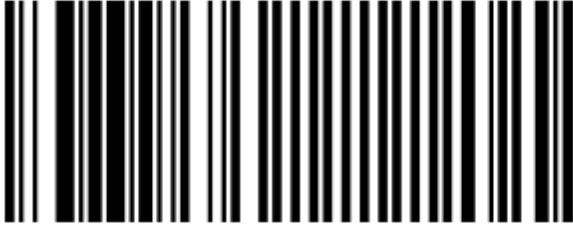
Programming Mode



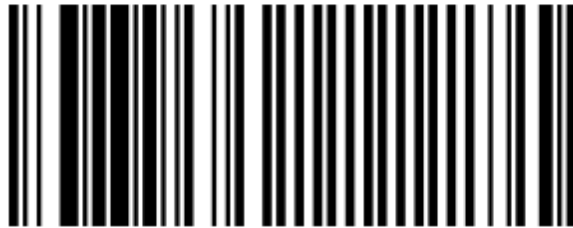
Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

(Set to USB Communication Protocol)

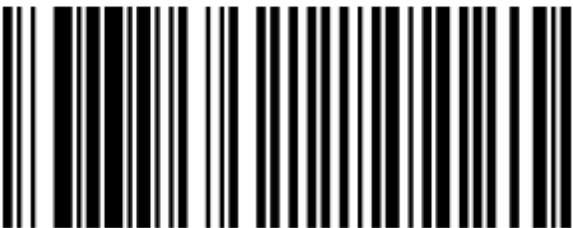
Hex 1



Hex 0



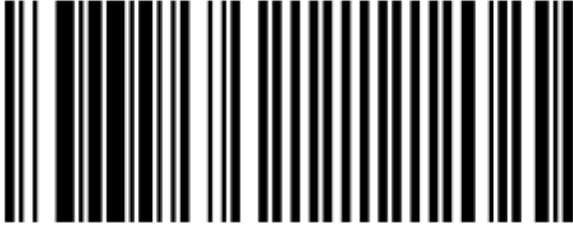
Hex D



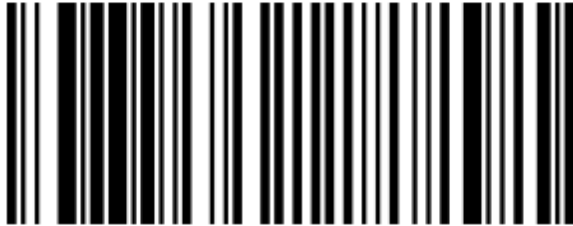
Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

(Enable periodical codes)

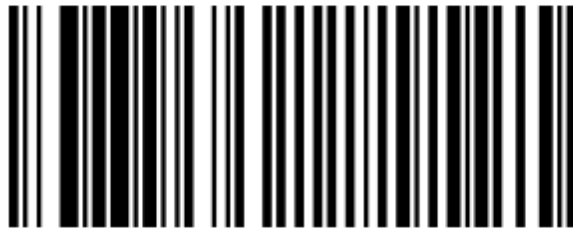
Hex 1



Hex 3

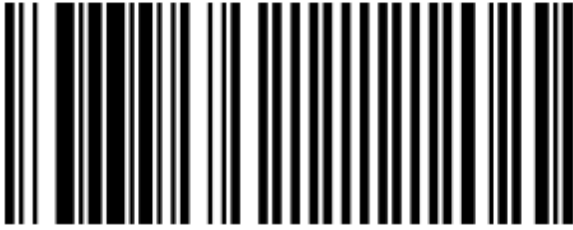


Hex E

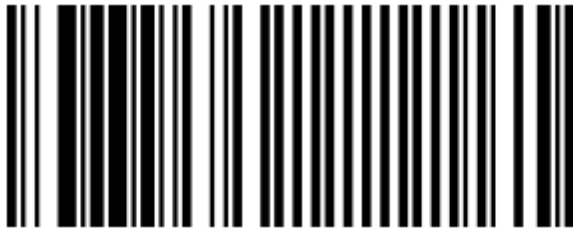


Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

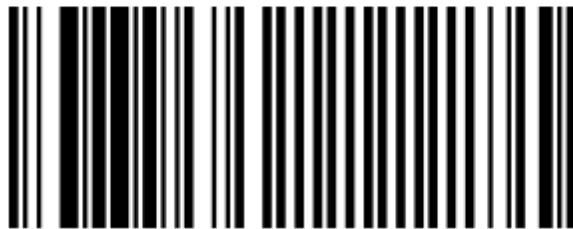
Hex 1



Hex 2



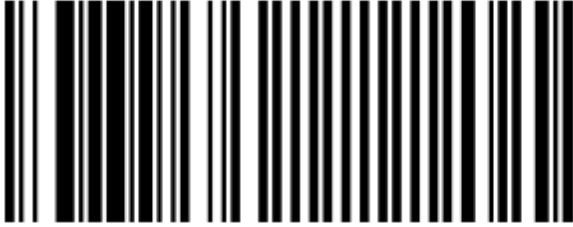
Hex 0



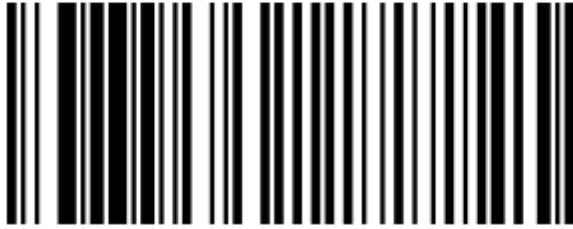
Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

(Enable Interleaved 2 of 5)

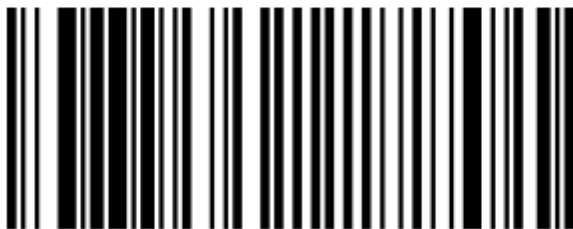
Hex 1



Hex 5

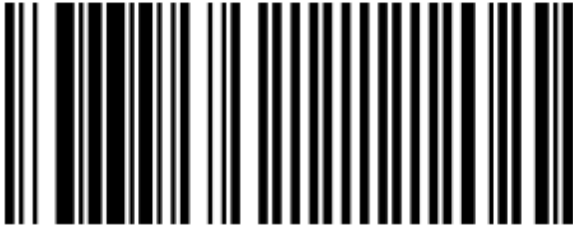


Hex A



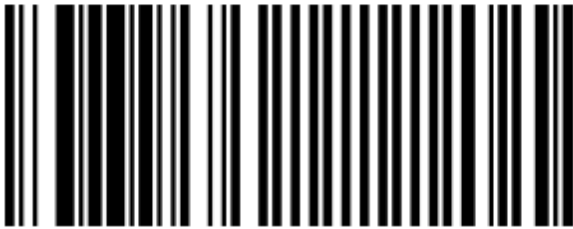
Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

Hex 1

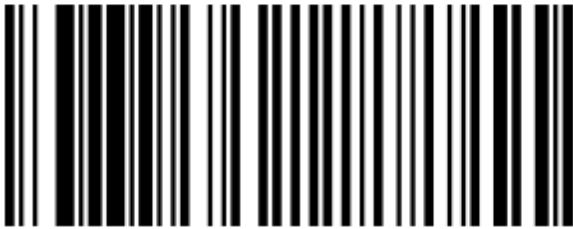


(Enable Code 128)

Hex 1

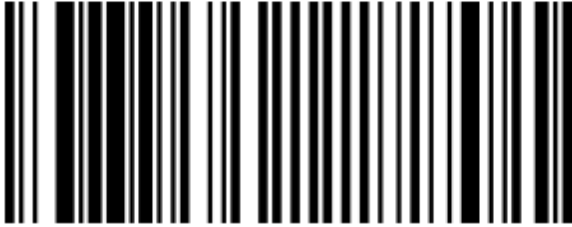


Hex 7

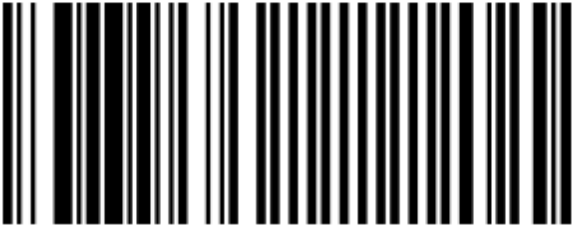


Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

Hex A



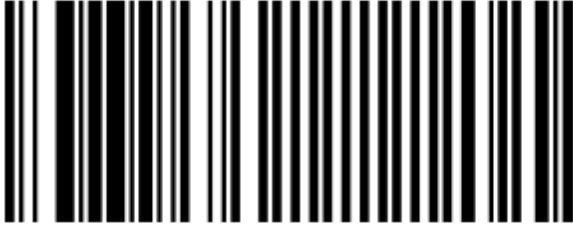
Hex 1



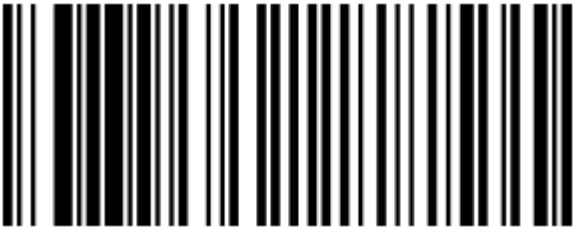
Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

(Enable DataBar)

Hex 1



Hex 8



Hex A



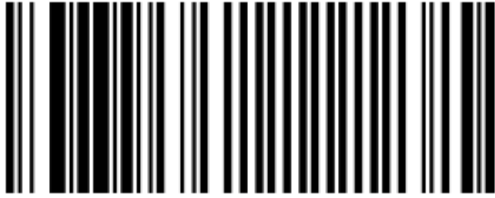
Hex 3



# Installing ScanMaster on the NCR XR8 (7607) using POSReady 7

(Finish)

Save and Reset







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