

# ENCOR

- Hardware Setup Guide,
- NCR RealPOS XR8 (Class 7607)
- Version 1.0.0.0
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## ENCOR Hardware Setup Guide, NCR RealPOS XR8

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# Revision Record

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Issue	Date	Remarks
A	Dec 2017	First issue

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# Chapter 1: Installing ENCOR on NCR XR8

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## 1.1 Configure Bios and POSReady 7 on NCR XR8 (7607) POS for ENCOR

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

### IMPORTANT:

Be sure to use the `ENCORNCROPOS.reg` version included with this bundle that is specific to RPSW4202. Do not use prior `.reg` versions you may have that were bundled with other RPSW.

2. Current BIOS version at this writing is 2.0.6.0. It is recommended to update to this version.
3. If installing a 59XX Display, the minimum firmware on monitor required is v010\_20150210\_1400. This is displayed on initial power up in the center of the display. There is a known intermittent blank screen issue on reboot if the screen is below this version of firmware. The latest version is included in the required file zip (59xx\_XSeries\_STDP602x\_Scalar\_v010\_20160204\_1058).
4. Check the BIOS settings to ensure that the Network: IBA CL Slot is **Disabled** and, under Fixed Boot Order Priority, that the first device is set to the **Hard Disk**. If the Network boot is enabled, the boot time of the POS will be considerably longer.
5. 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.
6. Accept the license terms.
7. Review your time and date settings screen. Select your time zone. Set the date and time.

## 1.2 Windows Settings

8. Click **Start**, type `secpol.msc` in the search area, and press **Enter**. In the left list, select **Local Policies**, and then open **Security Options**.
9. In the right pane:
  - a) Set "Accounts: Administrator account status" to **Enabled**.
  - b) Set "Interactive logon: Do not display last user name" to **Enabled**.
  - c) Set "Interactive logon: Do not require CTRL + ALT + DEL" to **Disabled**.
  - d) Set "User Account Control: Admin Approval Mode for the Built-in Administrator account" to **Disabled**.
  - e) Set "User Account Control: Behavior of the elevation prompt for administrators in Admin Approval Mode" to **Elevate without Prompting**.

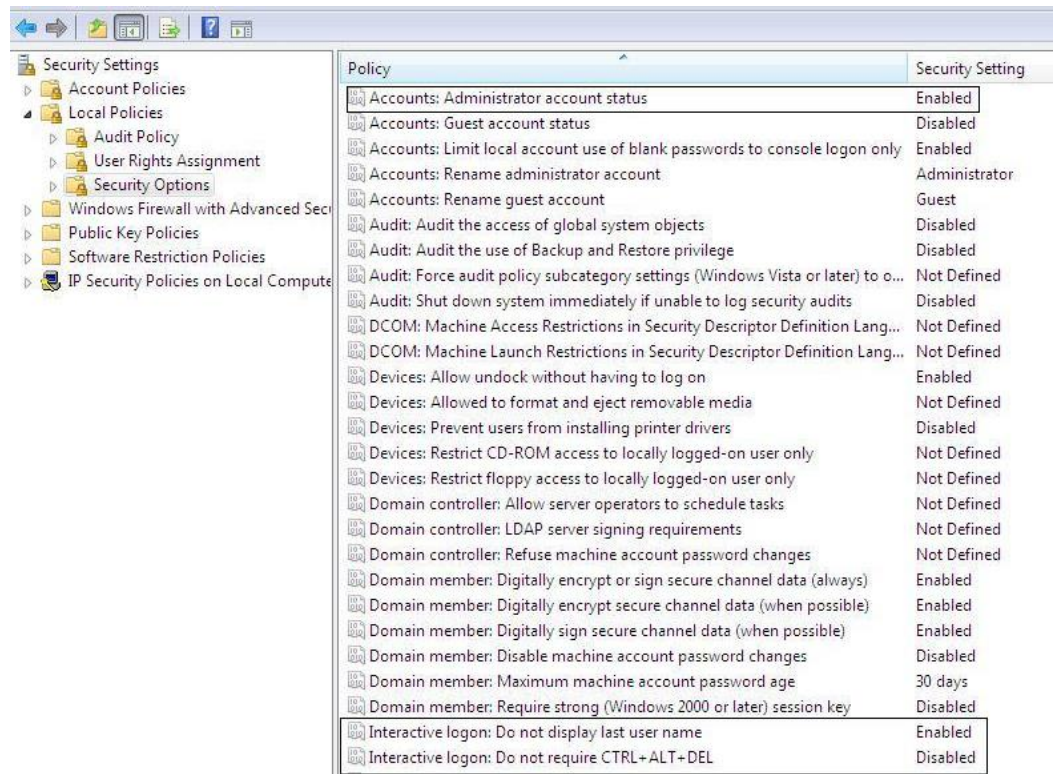


Figure 1-1. secpol.msc - Local Policies

10. 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.
11. Disable auto login. Run Regedit and go to HKEY\_LOCAL\_MACHINE\Software\Microsoft\Windows NT\CurrentVersion\Winlogon and set the AutoAdminLogon value to 0.

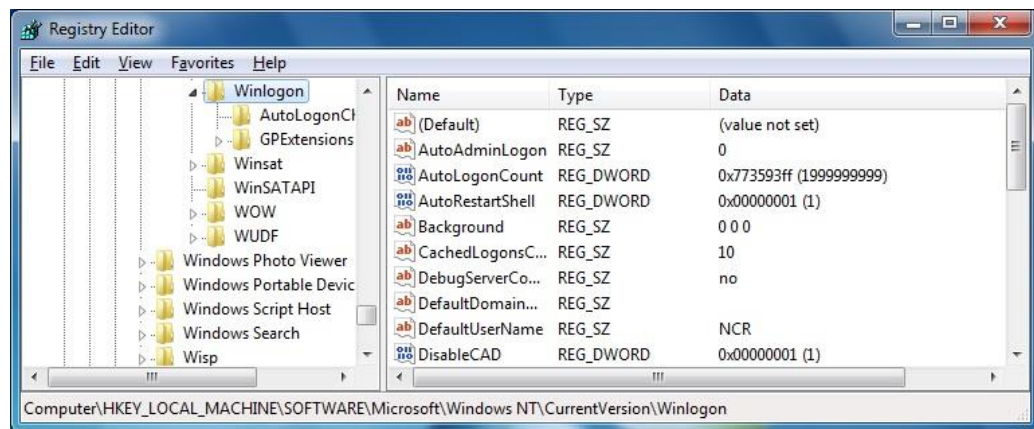


Figure 1-2. Registry Editor - Winlogon

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

### 1.2.1 Setting the Administrator's password.

13. Click **Start** and open Control Panel. Change "View by" to small icons.
14. Select **User Accounts**.
15. Click **Create a password for your account**.
16. Make the password the same as the administrator password on the server.
17. Enter a hint if so desired. Click **Create password**. *Do not forget this password or you may have to reinstall Windows 7!*
18. You should be back at the "Make changes to your user account" screen.
19. Close the Control Panel.
20. Reboot and log back in as the Administrator with the new password.
21. Click **Start** and open Control Panel. Change "View by" to small icons if not already set.
22. Verify Windows Update.
  - a) Click **Change Settings**.
  - b) Click the drop-down arrow and select **Never check for updates**.
  - c) Click **OK**.
  - d) Return to the main Control Panel.
23. Verify Power Options.
  - a) Verify **High Performance** is selected.
  - b) Return to the main Control Panel.
  - c) Click **Network and Sharing Center**.
  - d) Click **Change adaptor settings**.
  - e) Right click the **Local Area connection** and click **Properties**.
  - f) Click the **Configure** button, and verify/set that all options under Power Management are unchecked.
  - g) Click **OK**.
  - h) Right click the **Local Area connection** and click **Properties**.
  - i) Highlight **Internet Protocol Version 4** and click **Properties**. Fill in the IP address information. Click **OK**. Click **Close**.
  - j) Return to the Network and Sharing Center.
24. 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, Work, and Public sections.
25. Click **Save changes**.
26. Return to the Control Panel.
27. Click **Date and Time**.
  - a) Uncheck **Notify me when the clock changes**.
  - b) Return to the Control Panel.
28. Click **Action Center**.

- a) Change Action Center settings.
- b) Uncheck any items (i.e. Windows Update, Firewall, etc.) that you do not want Windows to pop notification messages. (It is recommended to uncheck all.)
- c) Click **OK**.
- d) Return to Control Panel.

29. Click **Windows Firewall**.

- a) Click **Turn Windows Firewall on or off**.
- b) Turn off both private and public firewall options.
- c) Under Advanced Settings, turn off domain firewall.
- d) Click **Ok**.
- e) Return to Control Panel.

30. Click **Display**.

- a) Select **Adjust Resolution** and set to 800 X 600 on all monitors.
- b) Click **Apply**.
- c) Click to keep changes.
- d) Click through warnings.
- e) Click **OK**.
- f) Close the Control Panel.

31. If the computer name or workgroup name needs to be changed, click **System**.

- a) Click **Advanced system settings**.
- b) 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 user.

### 1.3 UPDD Install

32. POSReady 7 is now ready for software installation. The XR8 uses the Touch Base driver.

- a) 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).
- b) Right click and install as Administrator. Calibration when using this driver should *not* be performed. *No calibration is necessary.*

33. Click **Install**. (*Only click once.* Please wait as there is a noticeable delay before you see install progress.)



Figure 1-3. UPDD Install

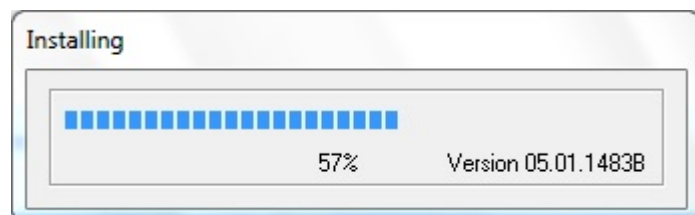


Figure 1-4. UPDD Installation Progress



Figure 1-5. UPDD Installation Successful

34. Click **Close** and reboot.
35. Click on **Start > All Programs > UPDD > Settings**.
36. Select **Point and click**.

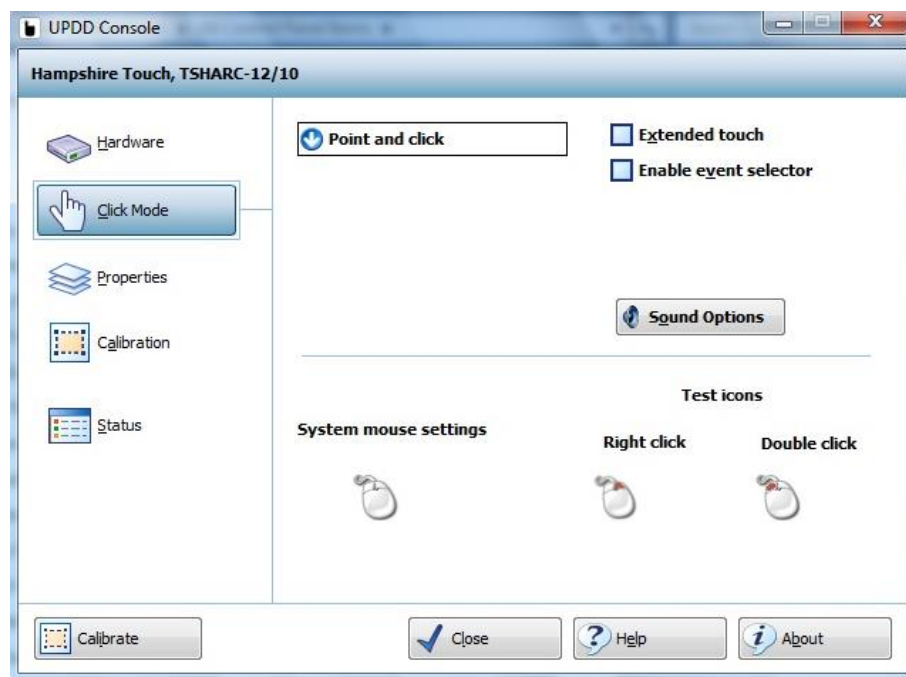


Figure 1-6. UPDD Console - Point and click

37. Select **Close**.
38. Under Control Panel > Pen and Touch:

a) Turn off options as indicated below.

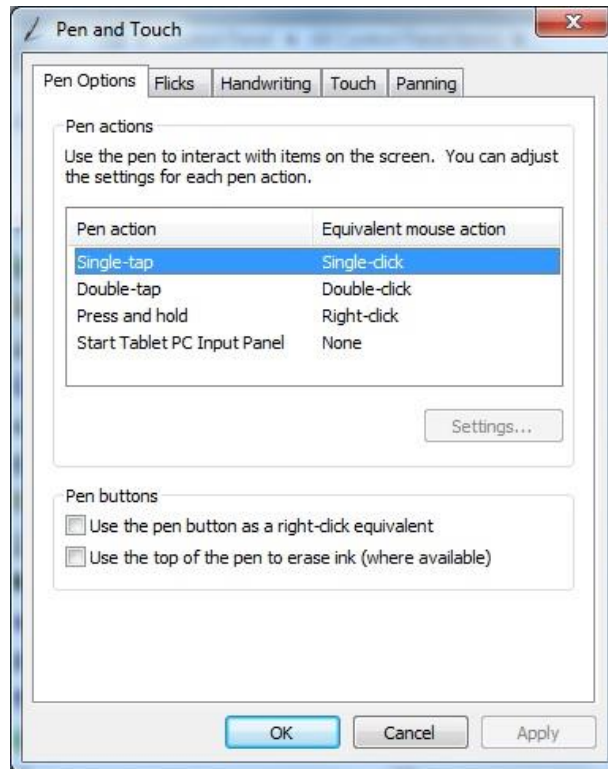


Figure 1-7. Pen and Touch - Pen Options Tab

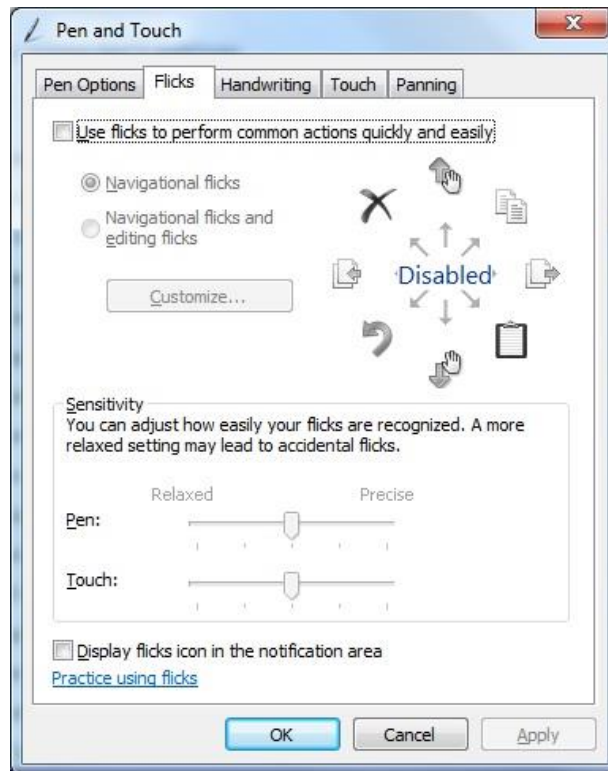


Figure 1-8. Pen and Touch - Flicks Tab

b) Delete handwriting data when prompted.

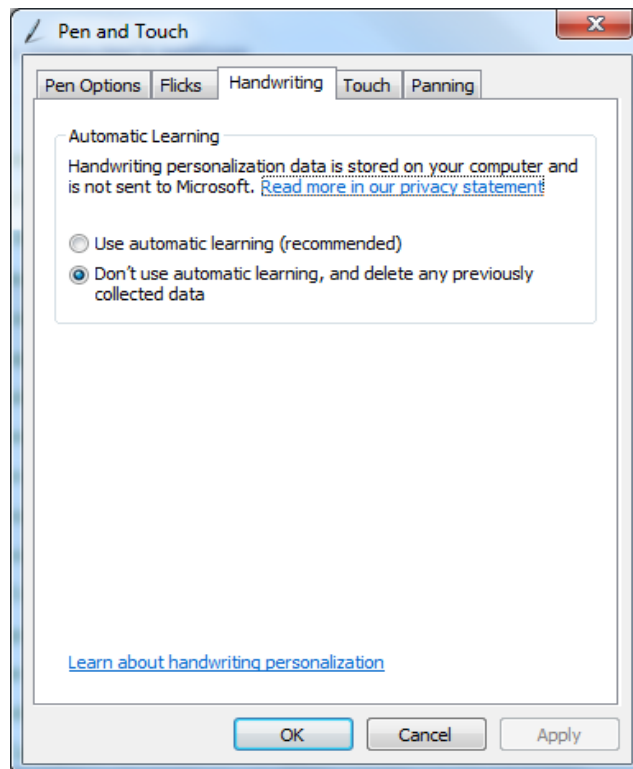


Figure 1-9. Pen and Touch - Handwriting Tab

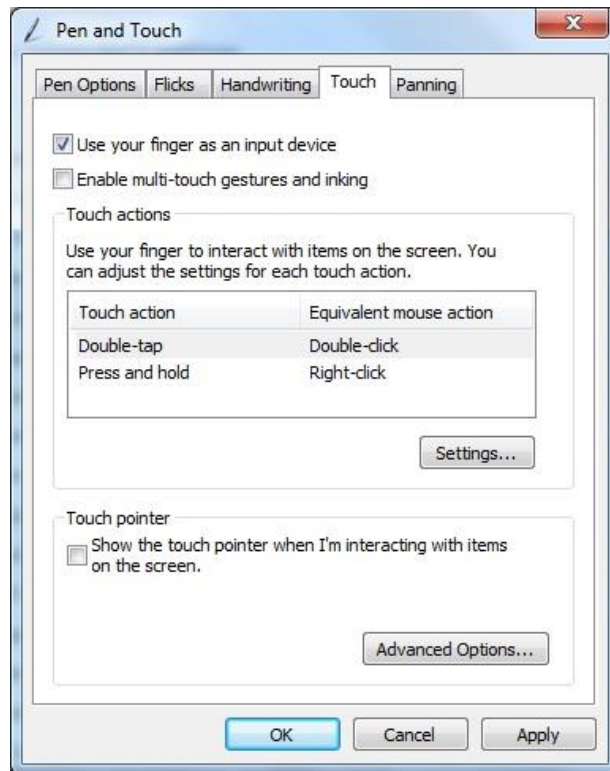


Figure 1-10. Pen and Touch - Touch Tab

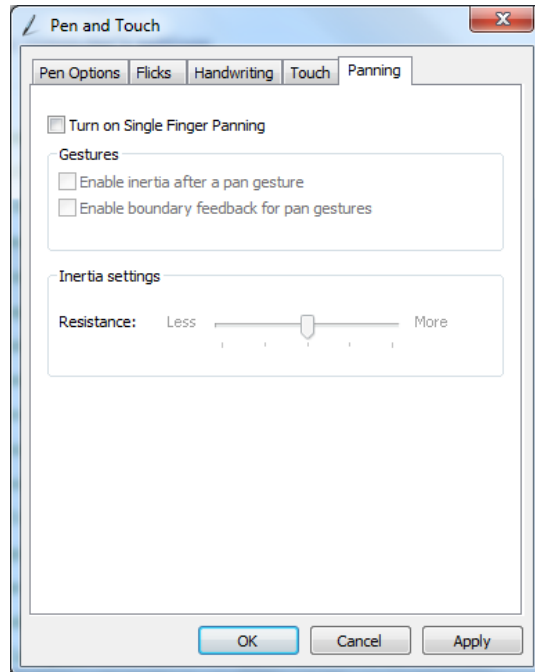


Figure 1-11. Pen and Touch - Panning Tab

### 39. Control Panel > Sound

- a) Click on the **Playback** tab, click on **Speakers**, click on **Properties**, and click on the **Enhancements** tab and **Disable All** sound effects. Do the same for any other speakers listed.

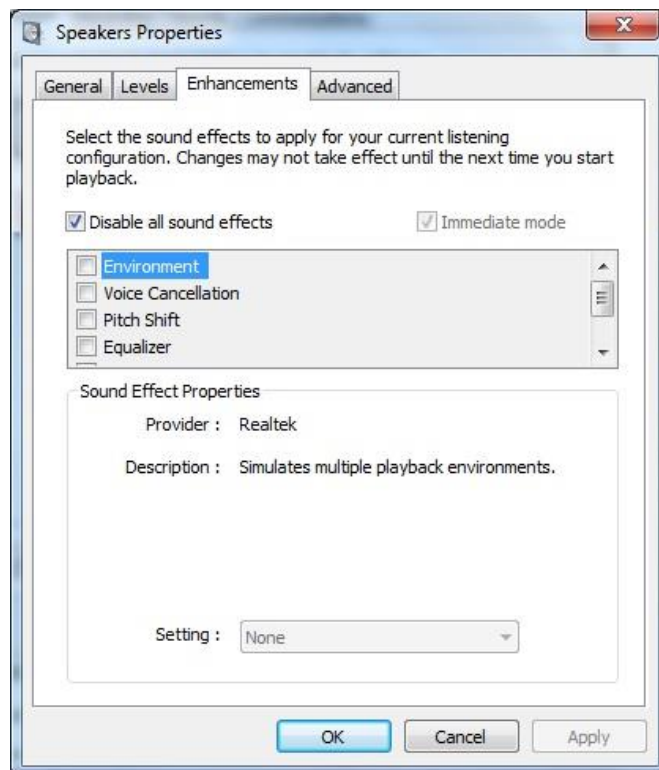


Figure 1-12. Speakers Properties - Enhancements Tab

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

40. 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.

41. Right click the **Retail Platform Software for Windows.exe** and click **Run as administrator**.

The installation starts.

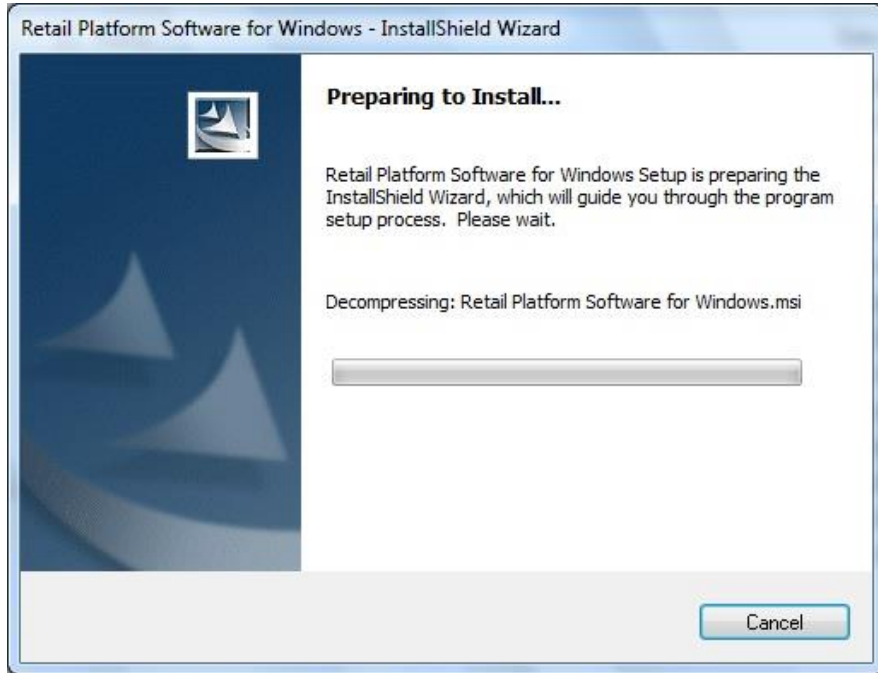


Figure 1-13. Retail Platform Software - Preparing to Install

42. The machine type is detected. Click **Confirm** (do not change the other drop downs).

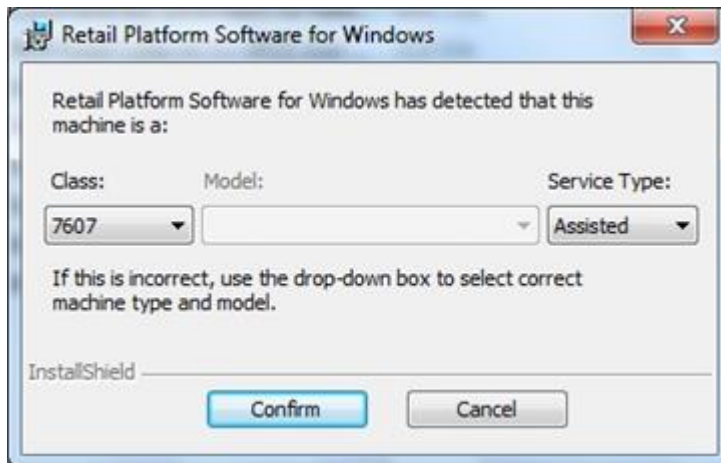


Figure 1-14. Retail Platform Software - Machine Type Detected

43. Click **Next** at the Welcome screen.

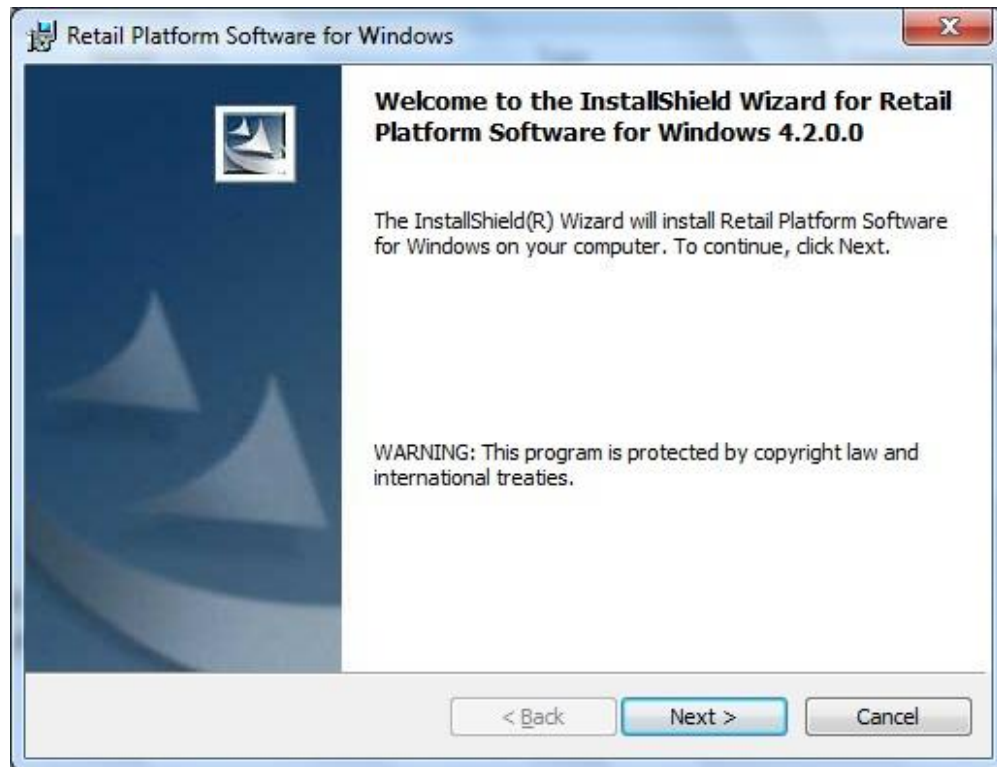


Figure 1-15. Retail Platform Software - Welcome

44. Click the **I accept the terms...** box, and click **Next**.



Figure 1-16. Retail Platform Software - License Agreement

45. At the Setup Type screen, select **Standard** and click **Next**.

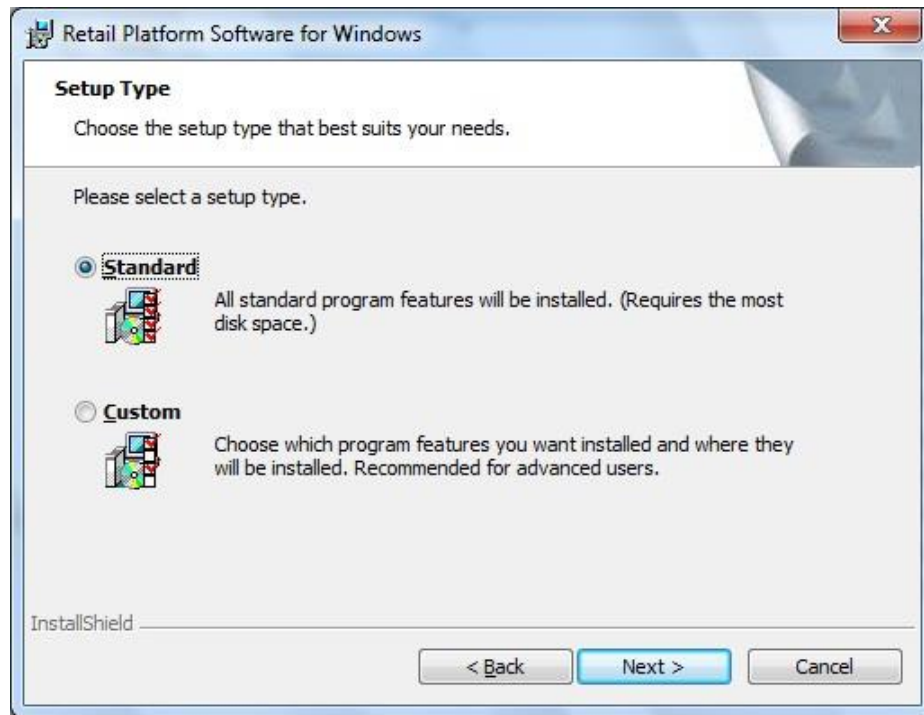


Figure 1-17. Retail Platform Software - Setup Type

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



Figure 1-18. Retail Platform Software - Control Object Warning

47. At the Retail Controls Options screen, select **Install Default Profiles** and click **Next**.

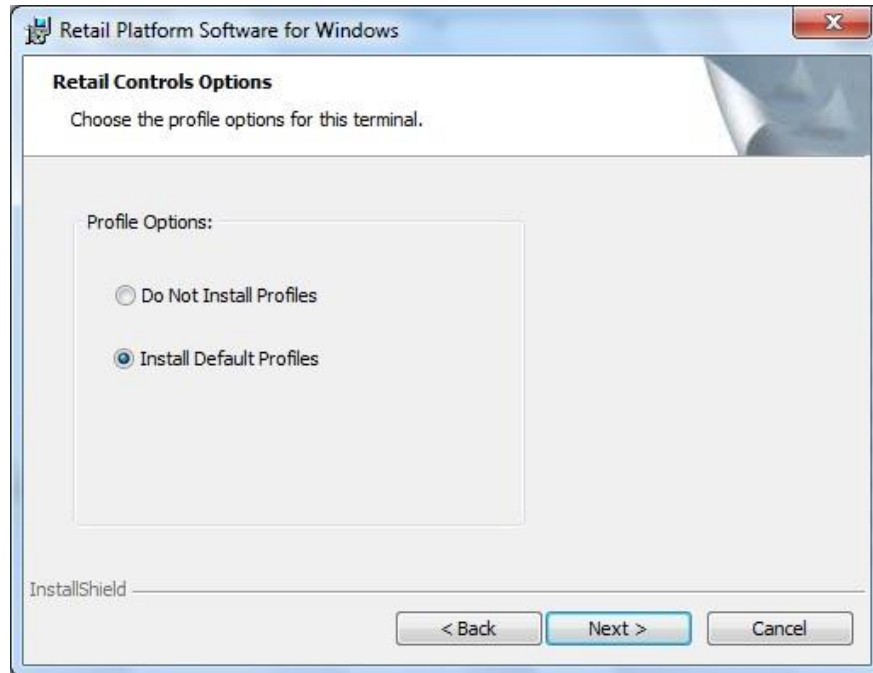


Figure 1-19. Retail Platform Software - Retail Controls Options

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



Figure 1-20. Retail Platform Software - Retail Systems Manager Options

49. At the Event Log Wrapping screen click **Next**.

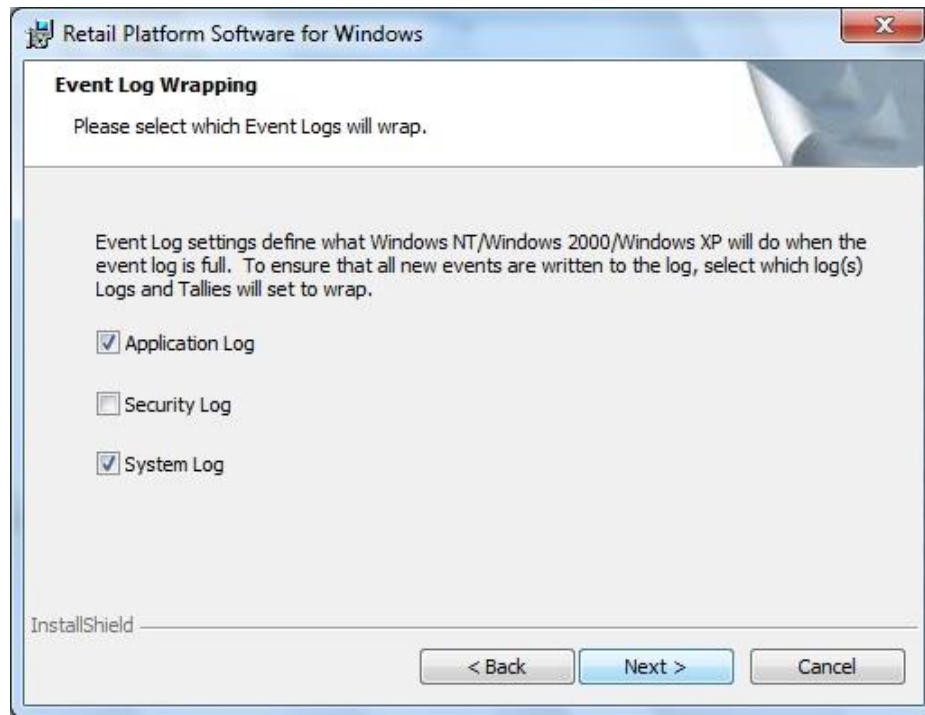


Figure 1-21. Retail Platform Software - Event Log Wrapping

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



Figure 1-22. Retail Platform Software - Security Setting Options

51. At the Ready to Install the Program screen, click **Install**.



Figure 1-23. Retail Platform Software - Ready to Install the Program

52. RSM is installed.



Figure 1-24. Retail Platform Software - Installation Begins

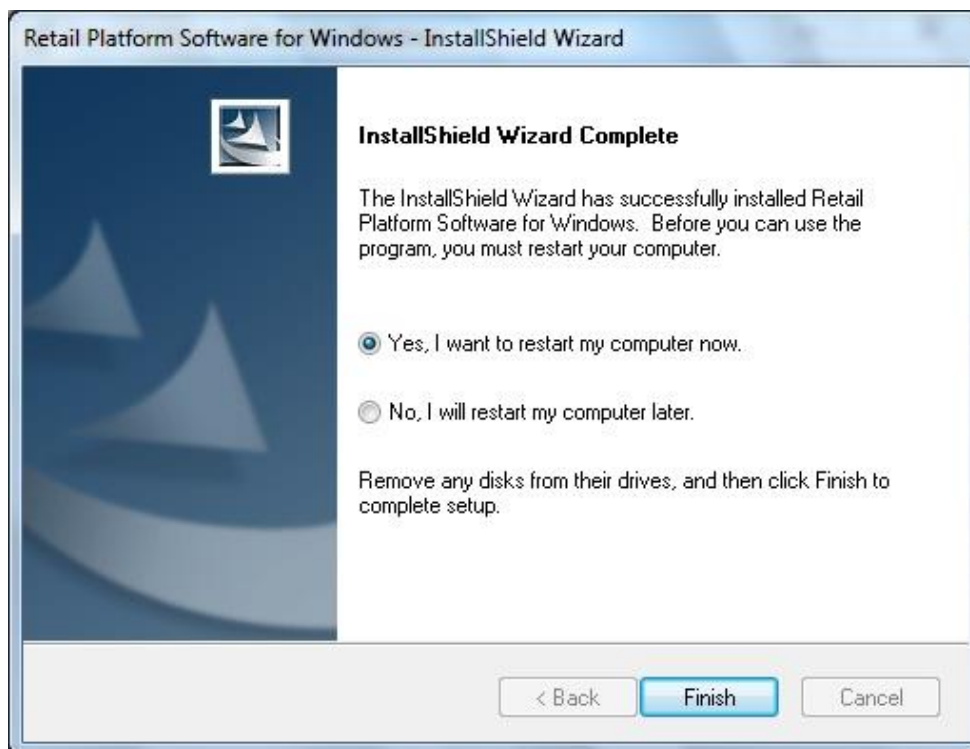


Figure 1-25. Retail Platform Software - Installation Complete

53. Click **Finish** to restart your computer. Log back in and continue.

#### 1.4.1 Applying Patch RPSW4202.MSP

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, run the following command:

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

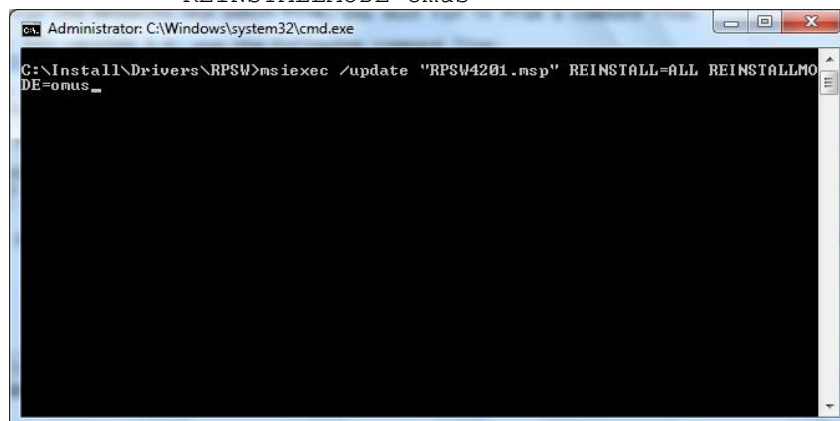


Figure 1-26. Applying Patch - Command Example

2. Click **Update**.

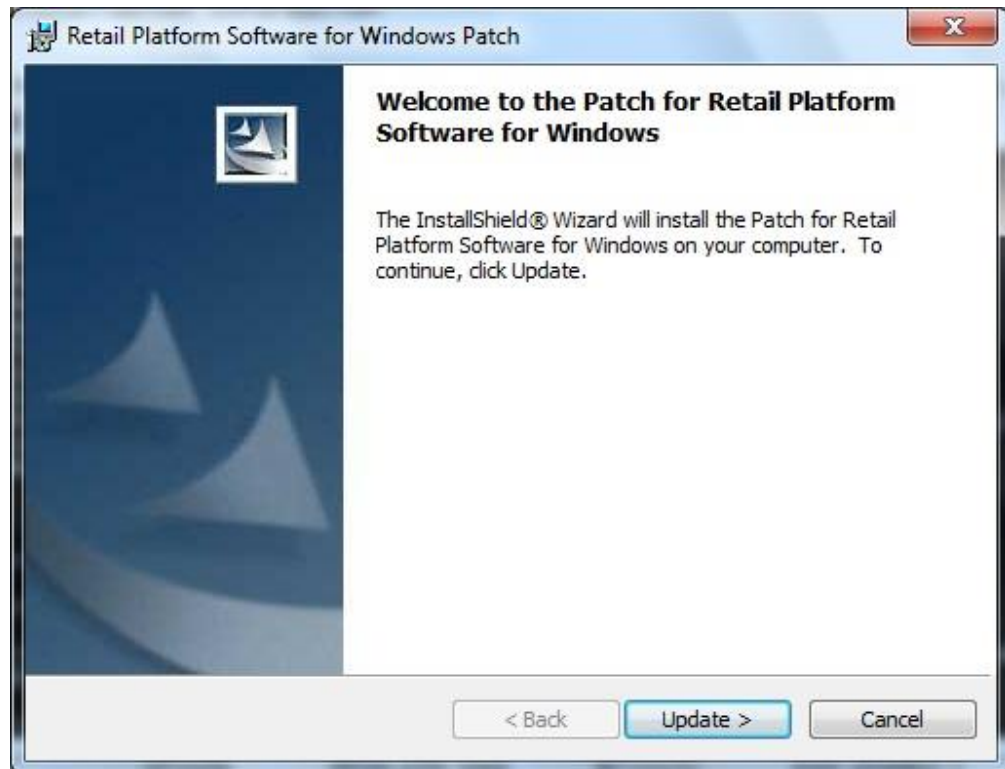


Figure 1-27. Retail Platform Software - Installing Patch

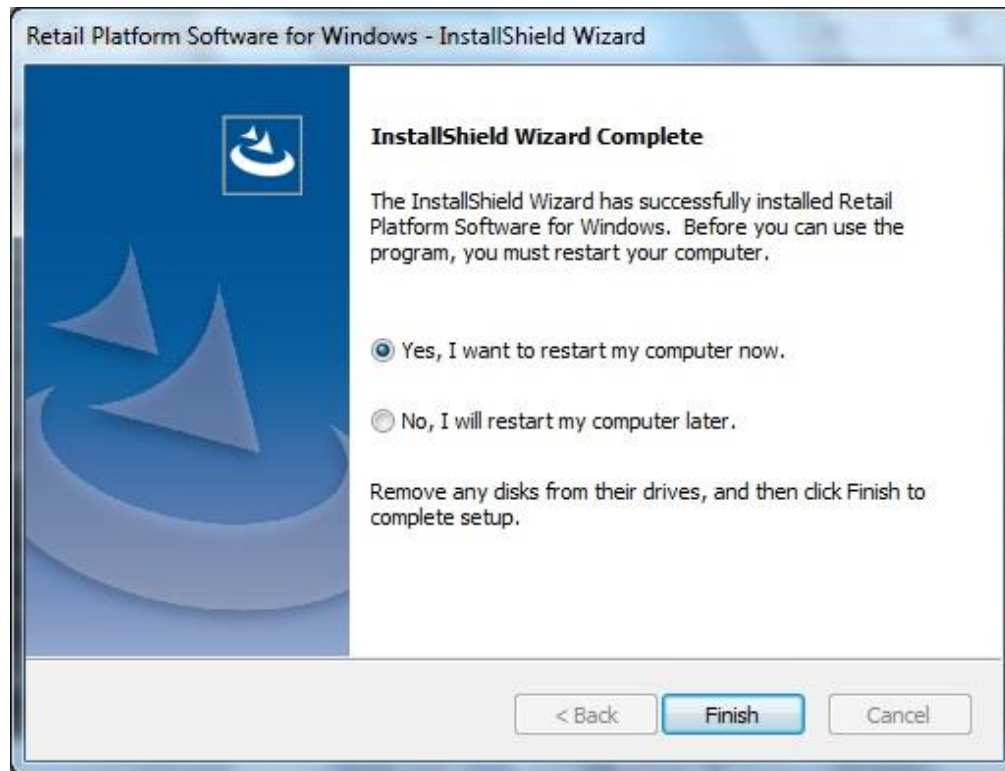


Figure 1-28. Retail Platform Software - Patch Installation Complete

54. 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.
55. At the restart message box click **Yes**.
56. At the completed screen click **Finish**.
57. After reboot, log on as administrator.
58. Do not attempt to set up your devices at this point. That will be explained later in this document.

## 1.5 Installing NCR printer drivers (IONetworks)

59. Use the `IO_Network_Win_7_XP_40002857_J1.zip` obtained earlier when you downloaded required files for XR8.
60. Rename the 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.

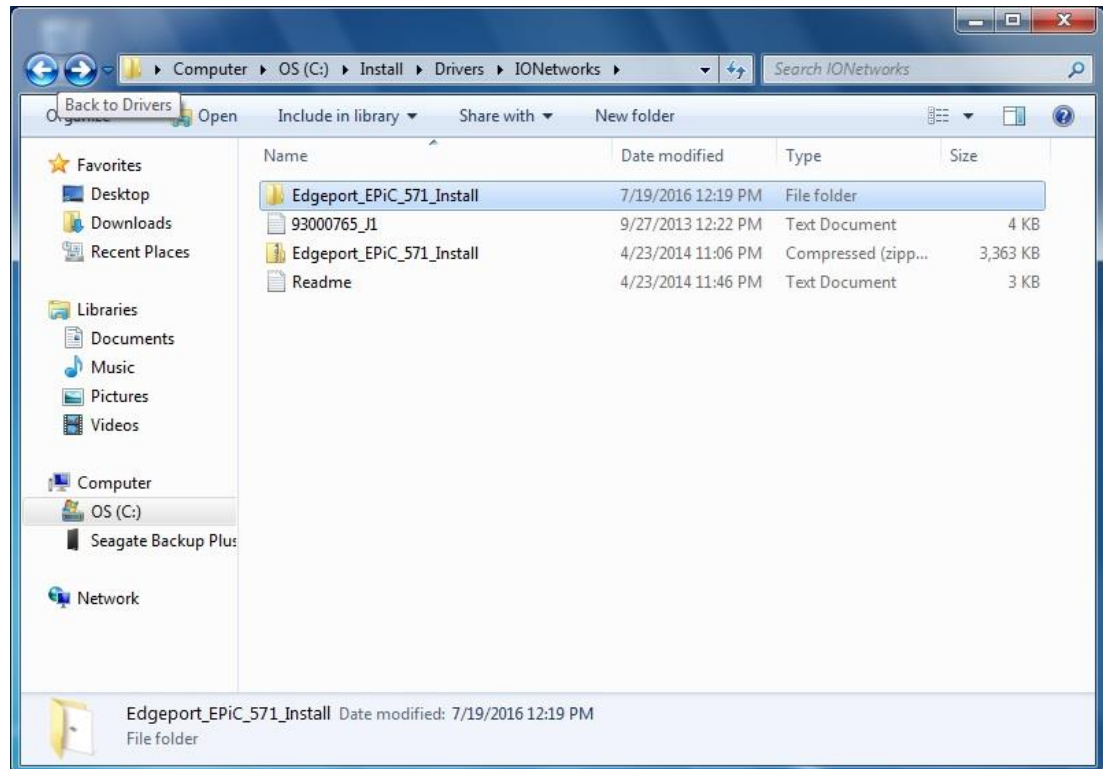


Figure 1-29. Installing Drivers - IONetworks

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

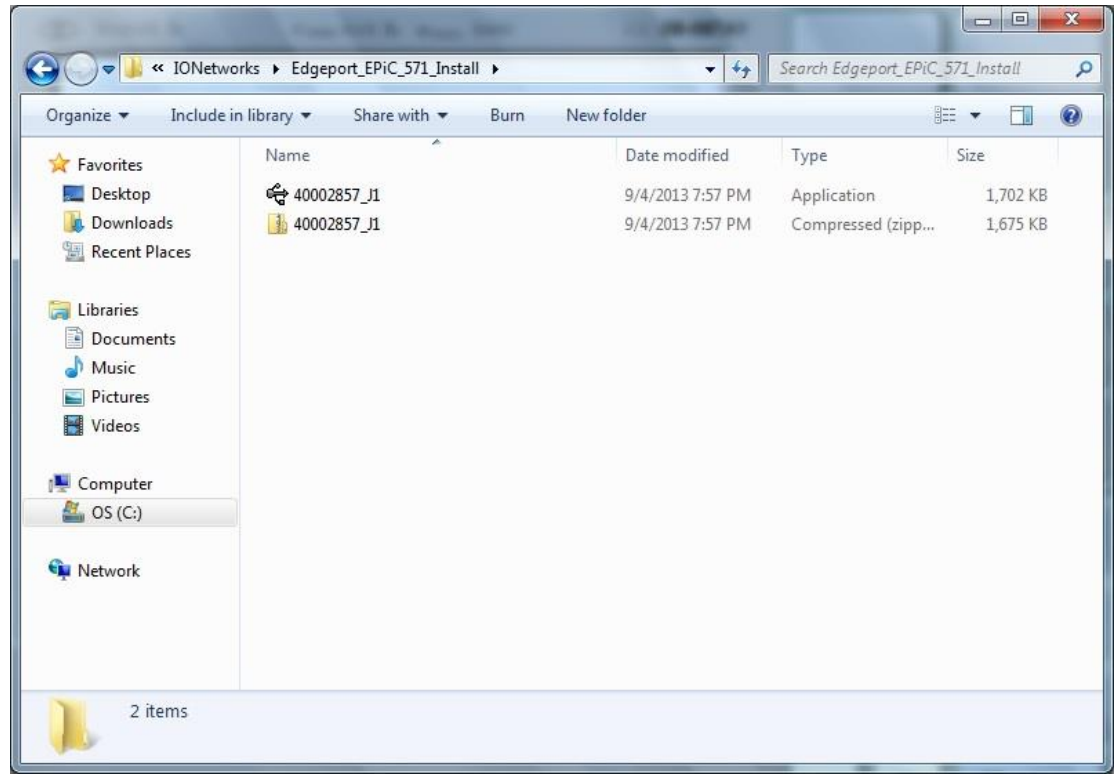


Figure 1-30. Installing Drivers - 40002857\_J1

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

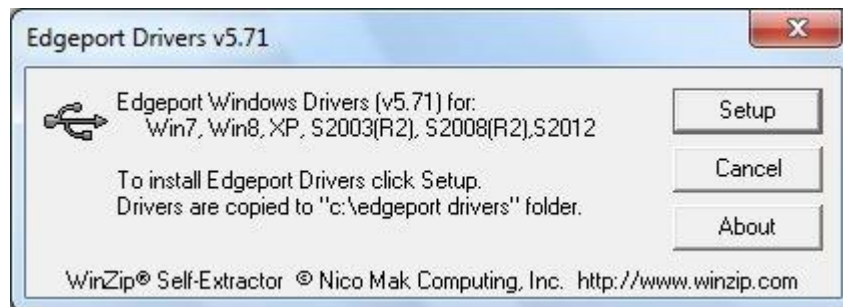


Figure 1-31. Installing Edgeport Drivers

63. Restart and log in as administrator.

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

65. From the C:\Install\Drivers\RPSW folder on the POS, double click ENCORNCRPOPOS.reg. This will install the device profiles.

**\*\* DYNAKEY HARDWARE IS NOT CURRENTLY SUPPORTED UNLESS RUNNING DYNAKEY WITH FULL TOUCH LAYOUT \*\***

**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 ENCORNCRPOPOS.reg to reinstall the correct device profiles. The device settings will also need to be redone to match the attached devices.

The following devices profiles were installed by the ENCORNCRPOPOS.REG file:

- NCRCashDrawer.1
- NCRMICR.1
- NCRPOSPrinter.1
- NCRScale.7872
- NCRScanner.7872
- NCR ToneIndicator.1

Other profiles were installed via the RSM install, but only those listed above are currently supported by **ENCOR**. Changing to other profiles will cause device failures in **ENCOR**.

Some of the above profiles should work as is, however, some profiles (such as NCRPOSPrinter.1, NCRScale.7872, and NCRScanner.7872) may need to be changed depending on which printer or scanner/scale is attached to the POS. It is not the intention of this guide 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 straight forward, and the following screen provides an example on device setup.

66. Run RSM LE and configure your devices.

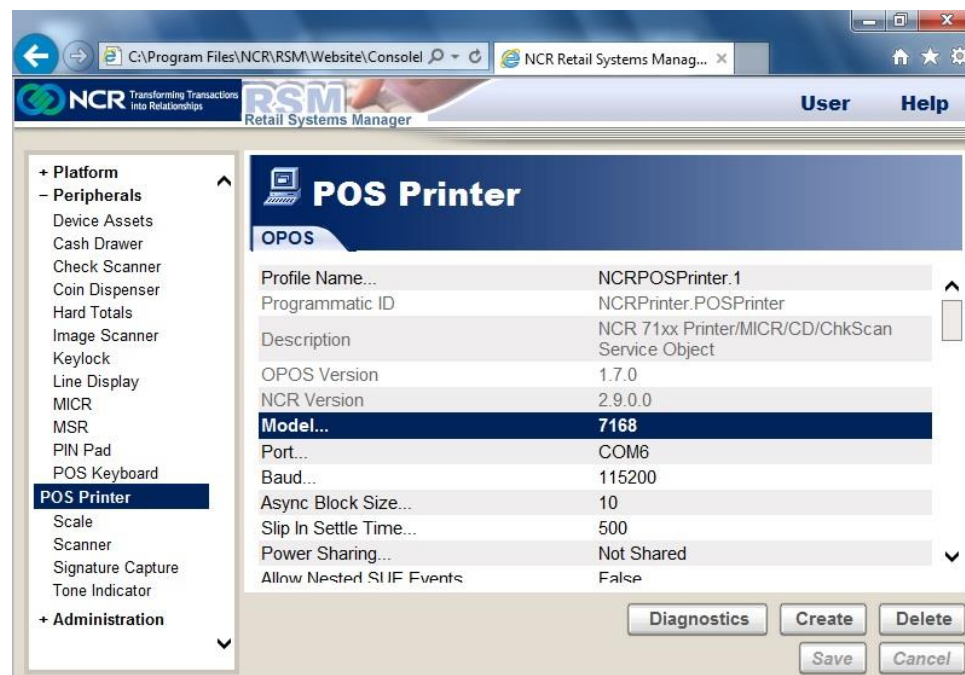


Figure 1-32. RSM LE Device Configuration 1

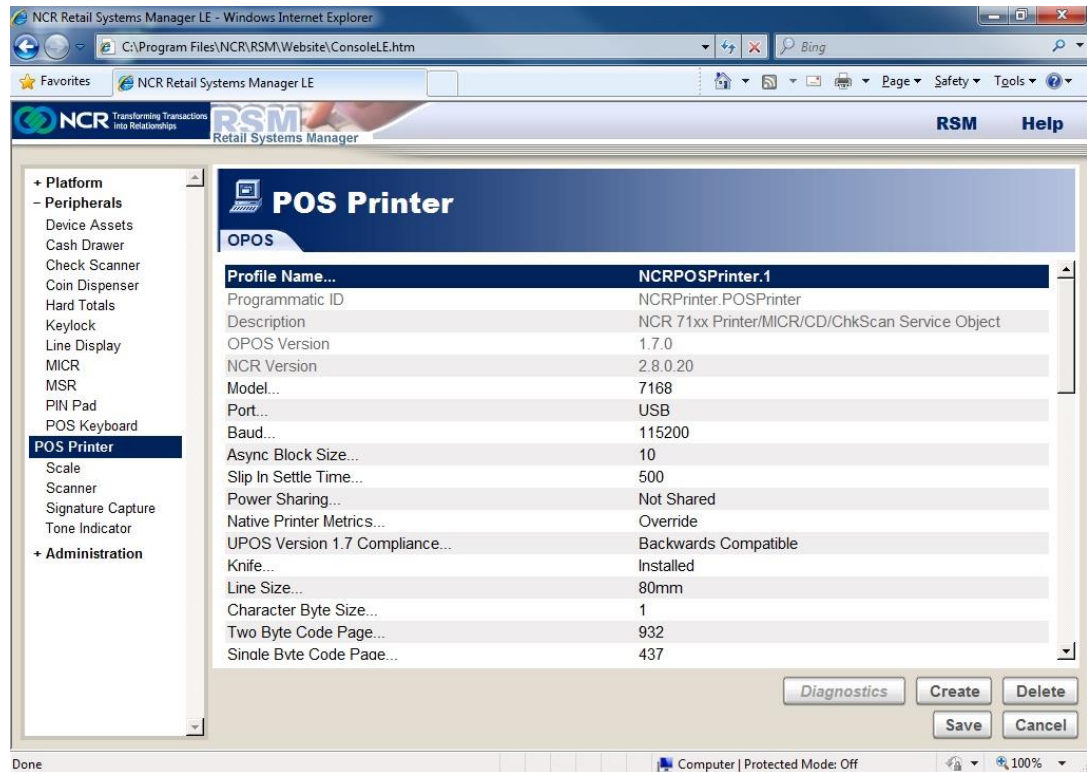


Figure 1-33. RSM LE Device Configuration 2

67. 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).
68. Now that the OS, network and device drivers are installed and configured, run the SN - Prerequisite Installer to install the required dot net.
69. After the reboot, you are now ready for the **ENCOR WinPOS** install. See the Install guide on the website.
70. Use the following corresponding screens when doing the install. These are the only ones that are different.

71. Dynakey is not currently supported. Select **Touch Menu Panel**.

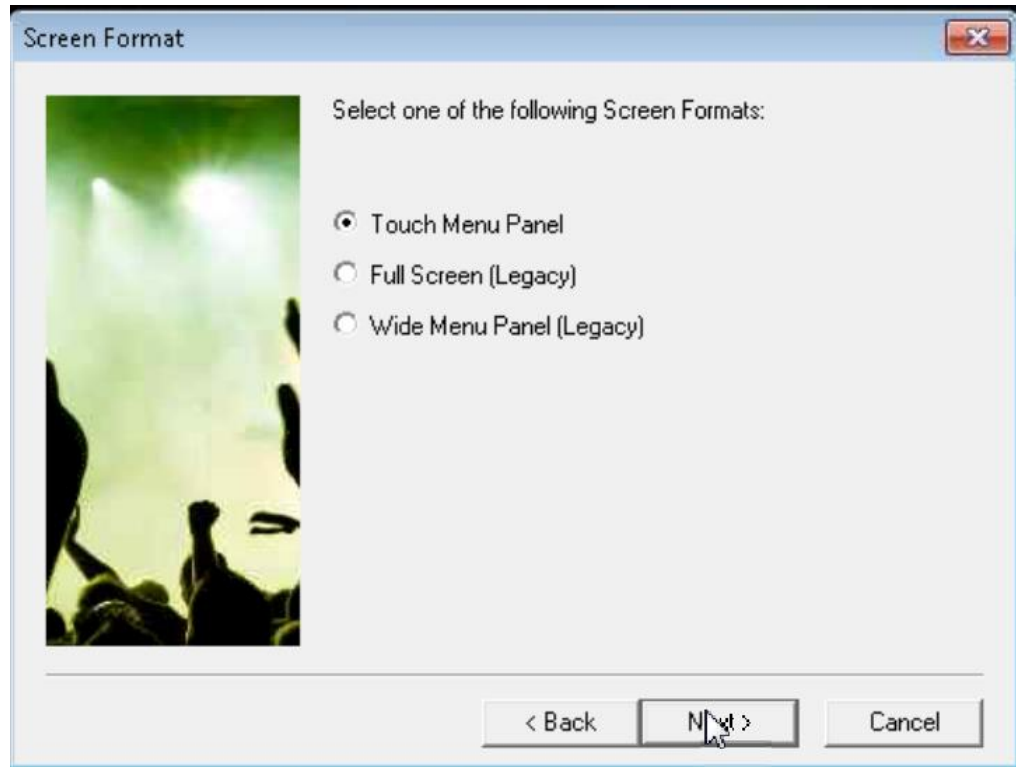


Figure 1-34. ENCOR Install - Screen Format

If using dual monitors, select the following. Otherwise, select **Single Screen**.



Figure 1-35. ENCOR Install - Screen Configuration

72. Under Hardware Type, select **Standard POS**.

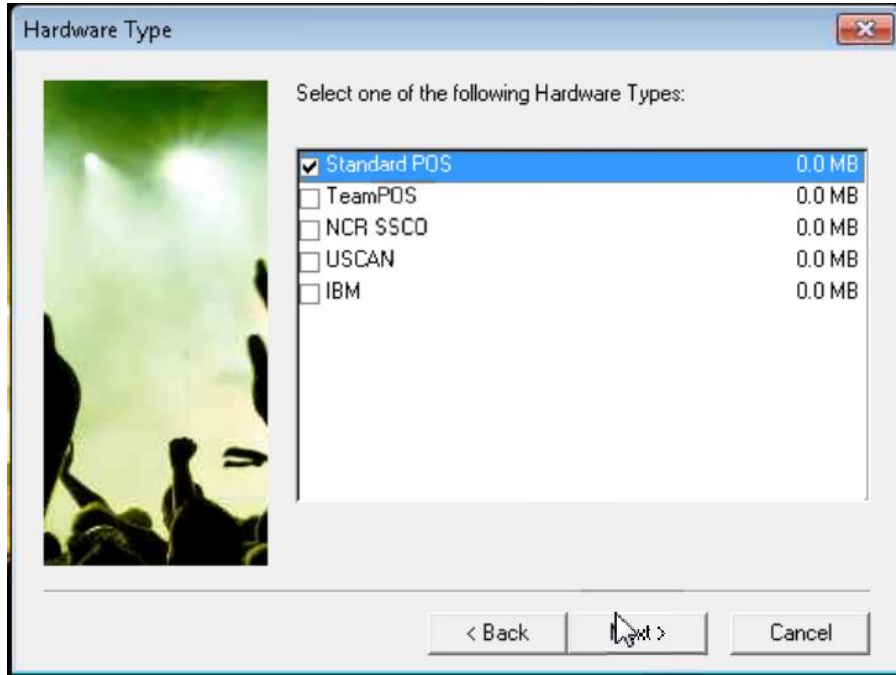


Figure 1-36. ENCOR Install - Hardware Type

73. Depending on the installed devices, set up the following OPOS devices in the ENCOR POS Configuration. If using the Epson TM-H6000IIIU/IVU, install the Epson OPOS using ADK268E.exe and set it to be TM-H6000IIIU for the printer and the MICR.

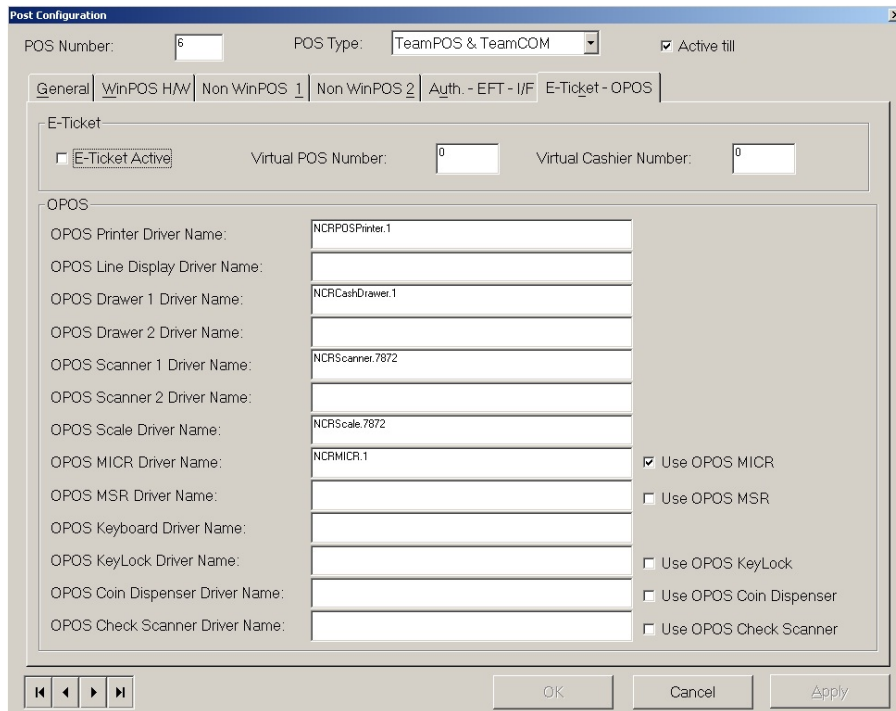


Figure 1-37. ENCOR Install - Post Configuration

## 1.6 Additional setup information

- **Printers** – Set or build appropriate templates for check writing.
- **Menusys .mac** - It is a Dealer's responsibility to set up the `menusys.mac` file to meet the customer's requirements.
- **Keyboard programming** – It is a Dealer's responsibility to configure keyboard programming as required.

## 1.7 Programming the 78xx scanners

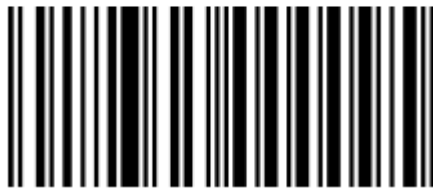
Following are the scan tags and sequences to program the 78xx scanners. Once the OPOS devices are set up and programmed the POS should be ready for use.

### 78XX Scanner programming tags:

To Program the 78XX for **ENCOR**

(Start)

Reset



Default

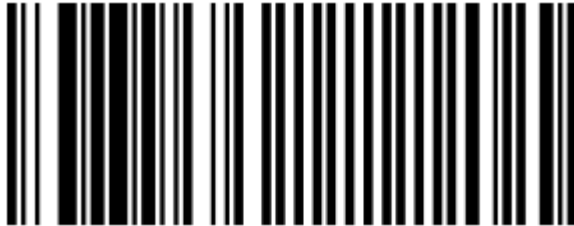


Programming Mode



(Set to USB Communication Protocol)

Hex 1



Hex 0

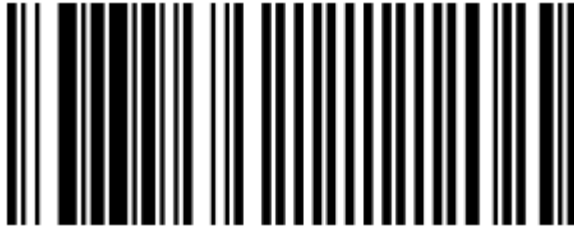


Hex D

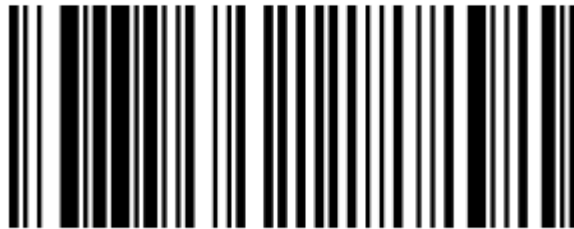


(Enable periodical codes)

Hex 1



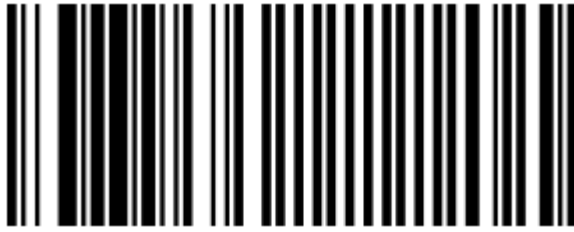
Hex 3



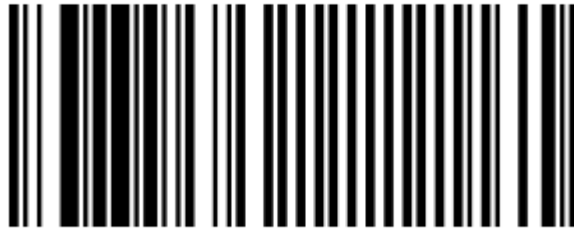
Hex E



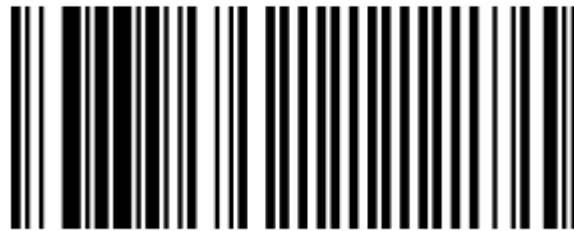
Hex 1



Hex 2

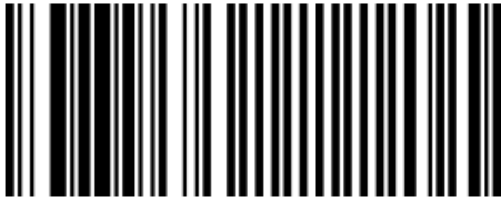


Hex 0

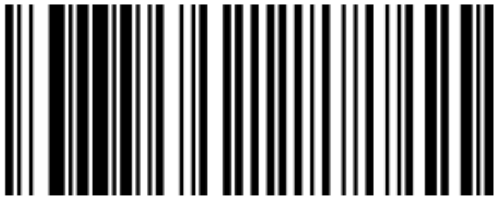


(Enable Code 128)

Hex 1



Hex 7



Hex A

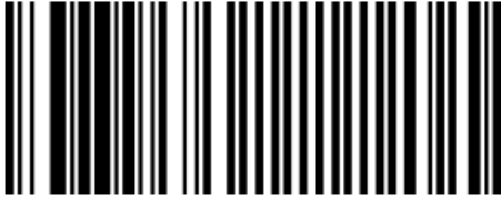


Hex 1



(Enable DataBar)

Hex 1



Hex 8



Hex A

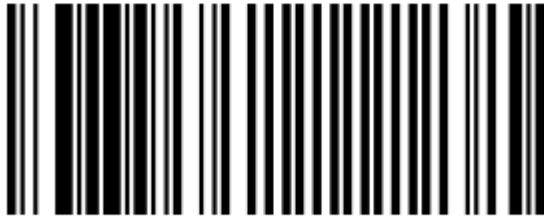


Hex 3



(Finish)

Save and Reset







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