



Datacard® SR200 & SR300 Card Printers

Hardware and Driver Installation Manual

June 2010

Part No. 539890-001, Rev A

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Revision Log

Datacard SR200 & SR300 Installation Manual

Revision	Date	Description of Changes
A	June 2010	Printer: First release

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Preparing for Installation

The components of your card system should be installed in the following order:

- Printer
- Printer driver and status monitor
- ID software, such as Datacard® ID Works® software
- Printer Plug-in software

Packing lists

The shipping carton for the Datacard® SR200 or SR300 Card Printer contains:

- SR200 or SR300 Card Printer
- Power Cord
- SR200 & SR300 Printer Installation Manual (PN 539890-001)
- Cleaning Card
- Card Stacker
- USB Cable
- Support CD-ROM for SR200/SR300 (PN 535761-001)
- White Gloves
- Read Me First Document
- Tweezers

Unpacking the SR200 or SR300 Printer



The SR200/SR300 Card Printer weighs approximately 27.6 pounds (12.5kg) with options installed. Use care when removing the printer from the shipping container.

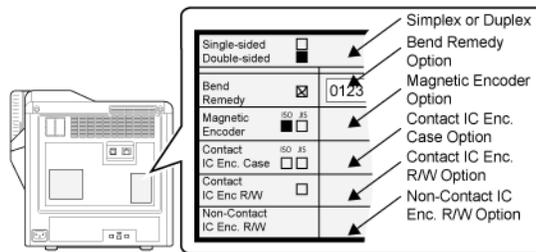
Remove the SR200 or SR300 card printer from the shipping carton. Remove all packing tape from inside and around the printer. Remove the protective cushion that protects the printhead, and the cushion for the magnetic stripe head, if installed.



Note: Save the shipping carton and packaging materials. They are required if you need to store, move or return the printer for service. Replacements might not be available.

Unpacking other options

The printer has options installed in the factory and marked on the options label on the back of the printer. Each option installed has a marked or filled square. The illustration shows a printer with Double-sided printing, Bend Remedy, and Magnetic Encoder options.



The SR200/SR300 printer can have one of two factory-installed smart card options.

- If a Contact IC Enc/ R/W is installed, download and install the smart card driver before setting up the printer. See [“Installing a Smart Card Driver” on page 5](#) to download and install the driver.
- If a Contact IC Encoder Case is installed, ask your dealer or integrator for the files to install.

The smart card option is setup for use with a USB data cable.

Choosing a Location

The location of installation affects the performance of the SR200 or SR300 printer. Install the unit(s) in a location that meets the following criteria.

- Use the card printer in locations with the cleanliness Class 8 or better of ISO14611-1. Using the card printer in dusty locations may cause print blurring and printhead malfunctions.
- Turn the power off whenever no printing operation is required. Leaving power on for long periods without printing may cause fine dust to collect inside the printer, causing print blurring and causing dust to adhere to cards.
- Avoid locations susceptible to strong vibration or shock.
- Avoid locations exposed to direct sunlight.
- Avoid locations where there is a possibility of metal objects or other foreign material entering the unit.
- Avoid areas near walls with little ventilation.
- Avoid unstable locations and angled surfaces.
- Avoid locations prone to static electricity, such as a carpeted room.
- Avoid areas near air conditioners, humidifiers, or heat sources that may cause condensation within the printer.

Install the printer in an environment with the following recommended temperature and humidity range:

- Temperature: 59°F to 86°F (15°C to 30°C), or 63°F to 83°F (17°C to 28°C) if using peel-off (PO) or UV ink
- Humidity: 35% to 70%, non-condensing, or 35% to 60% if using peel-off or UV ink



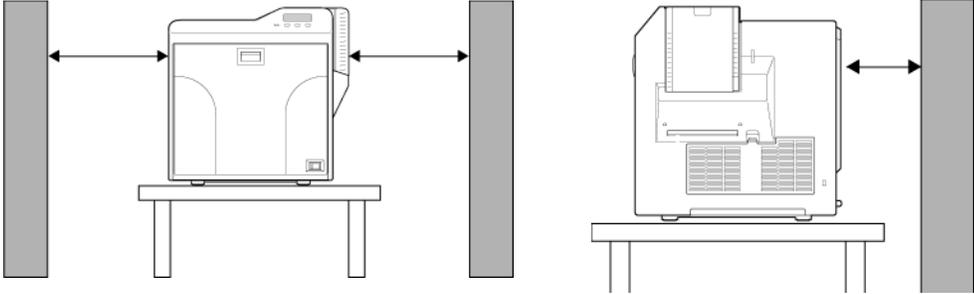
Caution: Using the printer in an environment with temperatures lower than the recommended range may cause retransfer errors. Using the printer in an environment with temperatures higher than the recommended range may cause print errors including deformation of the cards and wrinkling of the film.

Security

Both the SR200 & SR300 printers have slots for cable-type security locks. If you plan to use a cable lock, choose a location that provides a secure place to fasten the cable.

Providing Adequate Printer Ventilation

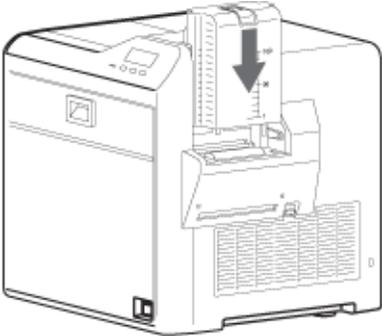
Ventilation holes are provided for the cooling fans on the bottom and sides of the unit. Install the unit so the sides are at least 7.9 inches (200mm) away from the surrounding wall. Keep the back of the unit at least 3.9 inches (100mm) away from a wall. Do not place any objects on top of the unit.



Installing the Card Hopper

With the open area of the card hopper cover toward the printer, slide the card hopper cover into the grooves of the card hopper.

-  The card hopper can hold up to 100 0.030 inch (0.76mm) thick cards or 280 0.010 inch (0.25mm) thick cards.

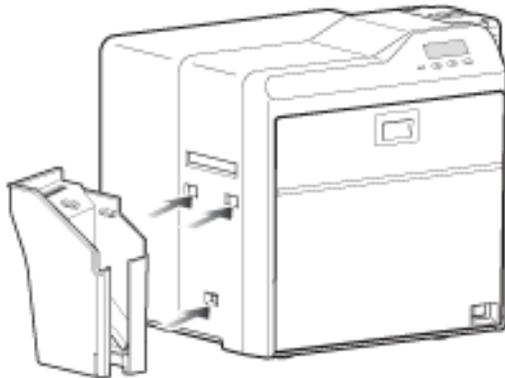


Installing the Card Stacker

Card Stacker on SR200 or SR300 Printer

For the SR200 or SR300 printer, hang the stacker tabs on the stacker attachment slots as shown in the following figure. Be sure to hang the card stacker attachment tabs on the card stacker attachment slots, not on the card discharge slot.

-  The card hopper can hold up to 100 0.030 inch (0.76mm) thick cards or 280 0.010 inch (0.25mm) thick cards.



Installing a Smart Card Driver

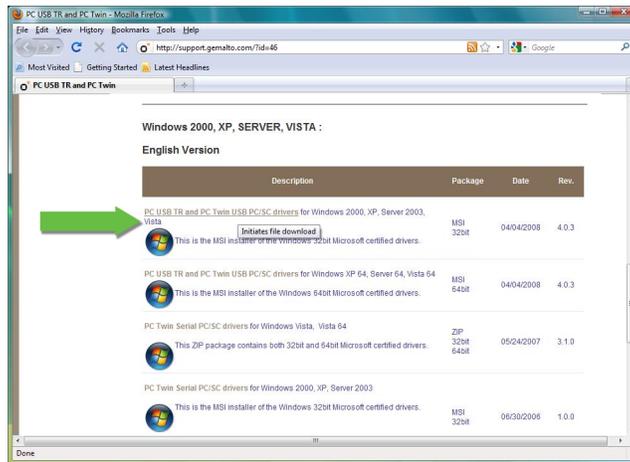
If the printer has a Contact IC Enc/ R/W option installed, install the driver for the smart card reader before installing the printer driver. The driver installation interface includes a link to the driver location.



To download the driver without using the Support CD:

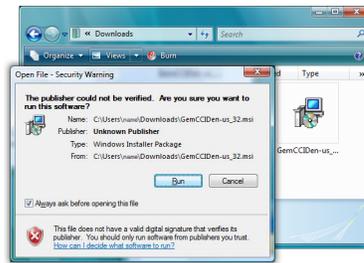
1. Using your web browser, go to <http://support.gemalto.com>.
2. Choose PC-Link Readers > PC-USB TR and PC TWIN.
3. From the list, choose your operating system, language, and architecture (32-bit or 64-bit). Also, choose drivers for USB, not a serial connection.

For example, for English-language Windows Vista 32-bit, USB connection, you would choose the following:



Your operating system and architecture might be different.

4. Click to download the file to your PC.
5. Run the downloaded file.



6. Follow the prompts to install the driver. The operating system might display a popup during installation, or when installation is complete.



7. Restart Windows after installing the smart card driver.

Connecting the Power Cord(s)



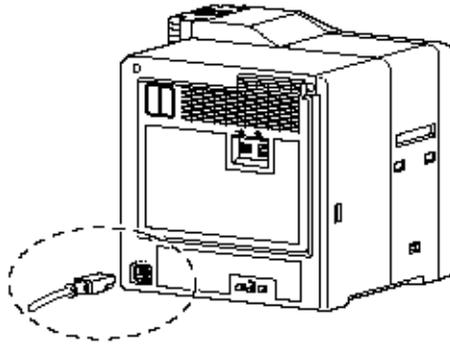
Warning: Always use a grounded power outlet that is not shared with other electrical equipment.

1. Check the plug. The power cords vary according to model and country of purchase.

2. Plug the power cable into the power receptacle on the back of the printer.



Caution: Use an Automatic Voltage Regulator (AVR) if there is a possibility of voltage fluctuations. Use an uninterruptible power source rather than an AVR if there is a possibility of frequent power loss.



3. Plug the power cord(s) into the facility power source.
4. If this is the first time you are using the printer, power on the printer, without installing supplies. Keep the power on for about 30 seconds, then power off.

The printer is shipped in “transport mode.” Ink ribbon and retransfer material cannot be installed in transport mode. Power on cancels transport mode.

Connecting the Data Cable

Connect the data cable when the driver installation instructions tell you to do so.



For best results, connect only one data cable to the printer and computer before turning the printer on.

If the printer has been used previously, the type of connection will be displayed on the printer front panel.

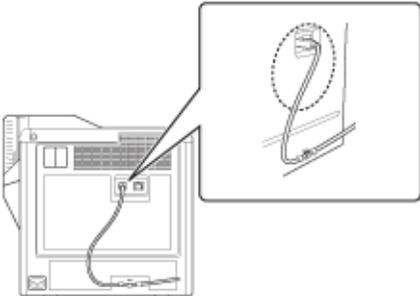
- The USB symbol is  .

- The network (LAN) symbol is  .

The default type of connection is Network, and to set other connection values, see [“Setting the Unit Number, Printer Name, and Connection” on page 18.](#)

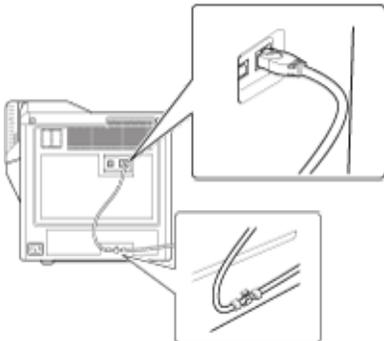
Connect the USB Cable

Connect the USB cable to the USB port on the back of the printer.



Connect the Network Cable

Connect the Network cable to the Network port on the back of the printer.



 **Note:** If you plan to use the Datacard Software Plug-in and smart card, use only a USB cable for the data cable. A network connection for smart card is not supported by the Datacard Software Plug-in.



Installing the Printer Driver

Do not connect the printer data cables or power on the printer until directed to do so.

You can install the printer in one of the following ways:

- Using a USB connection. See [“Install using a USB connection” on page 10](#).
- Using a Network connection. See [“Install using a Network connection” on page 25](#).
 - If you need to set up IPSec security or set IP addresses from the PC, you need to follow different procedures. See [“About Network Installation” on page 20](#) for details.
- Sharing a printer over a network, when using the Windows Vista, Windows XP or Windows 2000 operating system. See [“Sharing a Printer on a Network Connection” on page 36](#).

Also install the Status Monitor. The printer requires the Status Monitor to change settings. For information about the Status Monitor and how to install it, see [“Installing the Status Monitor” on page 33](#).

Supported Operating Systems

The printer and driver can be installed on one of the following 32-bit operating systems:

- Windows Vista (tested with Service Pack 2 installed)
- Windows XP (tested with Service Pack 3 installed)
- Windows 2000 (tested with Service Pack 4 installed)



If you upgrade the operating system of your PC to Windows Vista, remove all SR200 or SR300 printer drivers before upgrading. Install the printer(s) again after the operating system is upgraded.

Contact your service provider for currently supported operating systems.

Installing More Than One Printer

Follow these guidelines to install more than one printer on a PC:

- You can install up to 10 SR200/SR300 printers on one PC.
- You can install both RP90-series printers and SR200 or SR300 printers on the same PC. They use different drivers and the drivers can both reside on the same PC.
- If you want both a network-connected printer and a USB-connected printer (of the same type) installed on the same PC, install the USB-connected printer first for best results.
- If you plan to install more than one printer (of the same type) on one or more PCs, assign the unit numbers and printer names using the Status Monitor (and a USB connection). Each PC must use the unit number and printer name assigned. See [“Setting the Unit Number, Printer Name, and Connection” on page 18](#).

Install using a USB connection



Use this installation procedure for each printer you install on the PC using a USB cable. The printer will not be installed if you plug in the USB cable without using the Support CD.

1. Start the Windows Vista[®], Windows XP, or Windows 2000 operating system and log in as a user with Administrator permissions.
2. Insert the Support CD shipped with your printer in the PC drive.
3. On Windows Vista, an AutoPlay dialog might appear. Click **Run** to continue.



4. When the opening window is displayed, choose the **Install the printer** button.



5. On the next page, choose the **Install the Driver** button.

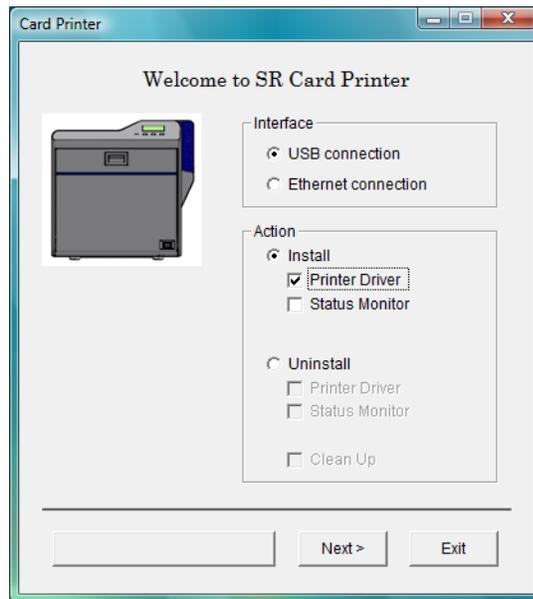


Caution: Your printer might have a smart card option installed. See [“Unpacking other options” on page 2](#) for information on smart card options.

Be sure to install the driver for the smart card option before installing the printer driver.

6. On Windows Vista, click **Allow** on the Security dialog box and then click “Continue” on the User Account Control Dialog.

7. The Card Printer installation window opens.



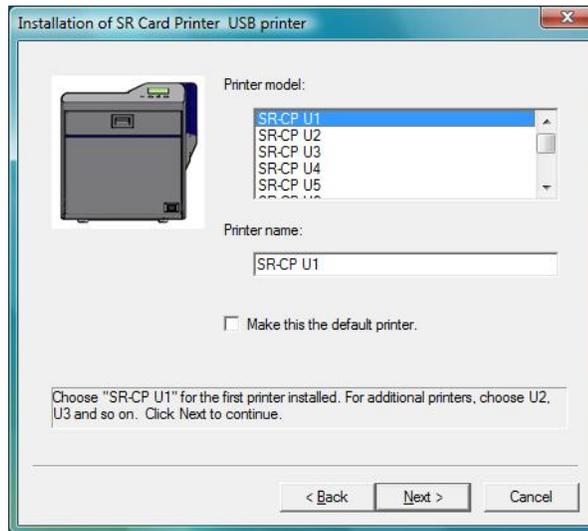
8. Make sure that only the following are checked and then click **Next**:
- USB connection
 - Install
 - Printer Driver
9. Read the Software License Agreement, if true click **I agree** and then click **Next**.
10. When the following dialog box appears, make sure all printing from the PC is complete and then close all other Windows applications. When ready, click **Next**.



Close all active programs before installing the printer driver.

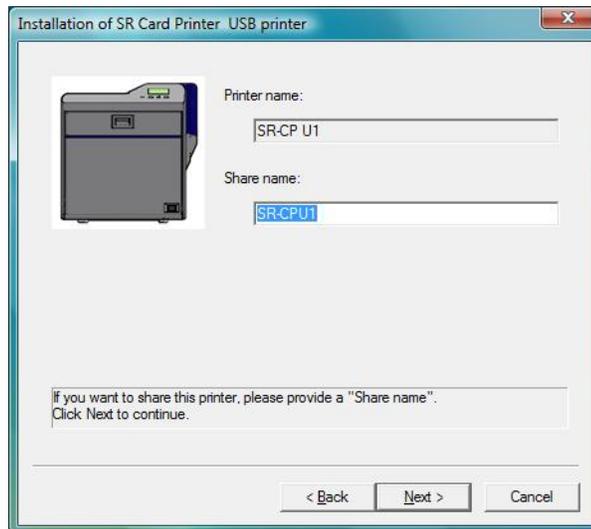


11. Select the Printer model from the list. If this is the first SR200 or SR300 printer installed on this PC, the default printer is “<name> U1.” For best results, use the printer name shown.
 - “U1” is the unit number, and it must match the USB port you create and the Printer name.

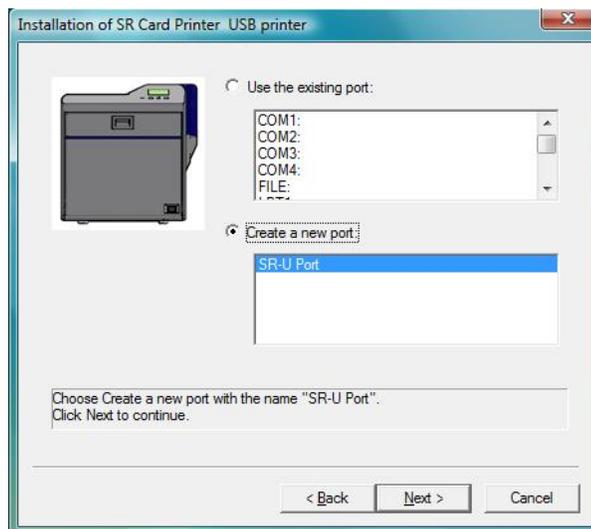


- Use the printer name shown, or if you plan to share the printer remove the space in the name so it appears at SR-CPU1.
 - If this is not the only USB-connected printer on this PC, set the unit number of the printer now. See [“Setting the Unit Number, Printer Name, and Connection” on page 18.](#)
 - Power the printer on. Continue with installation.
 - If the printer has been used before this installation, make sure the unit number and network name correspond. See [“Setting the Unit Number, Printer Name, and Connection” on page 18.](#) For example, if the printer is U2, then the network printer name should be PRINTER02. If the printer was set to print over the network, you can change the default to USB at the same time.
12. Check the **Make this the default printer** box if you plan to use only this printer from this PC. Click **Next**.

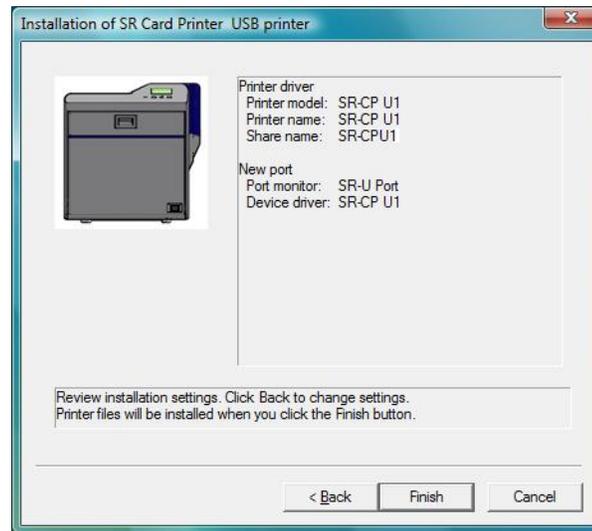
13. The printer is installed with sharing enabled by default. Enter a “Share name” if needed, and then click **Next**. The Share name cannot contain any spaces.



- Use the printer name shown, or if you plan to share the printer remove the space so it appears as SR-CPU1.
 - To share the printer, see [“Sharing a Printer on a Network Connection” on page 36](#).
 - Sharing can be disabled after the driver is installed, if needed.
14. Choose **Create a new port:** and use the port name provided. Click **Next**.



15. Review the summary of choices and then click **Finish**. The wizard copies driver files.



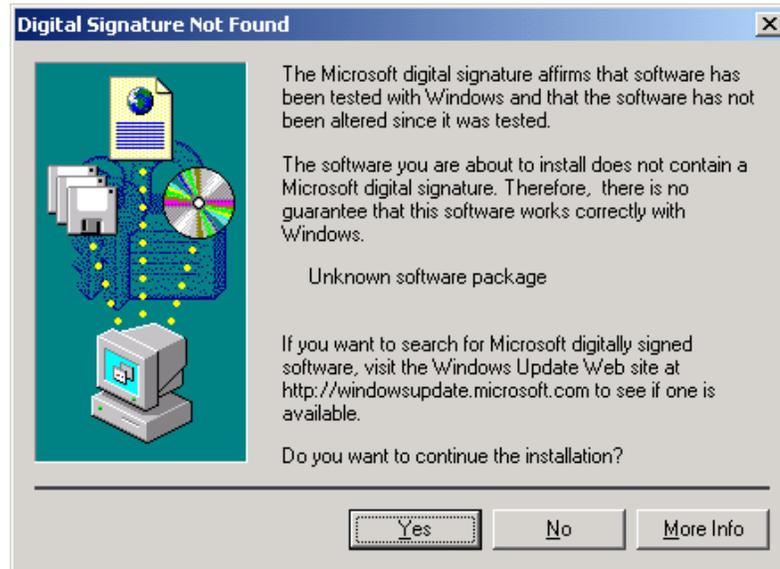
16. A Windows message appears.
 - On Windows Vista, a Windows Security dialog box can appear. Choose **Install this driver . . .** to continue.



- On Windows XP, the Windows Logo testing message appears. Click **Continue Anyway** to continue with installation.



- On Windows 2000, the Digital Signature Not Found message appears. Click **Yes** to continue with installation.



- Security on the PC might be set to prevent installation without a digital signature. See Windows help for "digital signature" or "Logo signing" to change the security setting.

17. The installation displays instructions to install supplies, connect the USB cable and power on the printer.

- See *Using the Printer* in the *User Guide* to install supplies.
- See ["Connecting the Data Cable"](#) on page 7 to connect the USB cable.
- See *Using the Printer* in the *User Guide* to power on the printer.



18. The found new hardware popup might appear.

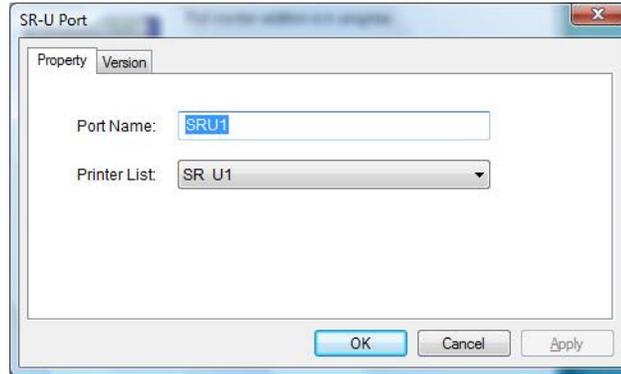


19. When the installation detects the printer, it continues automatically.
- On PCs running Windows Vista with Service Pack 2, installation continues without prompts.
 - On PCs running Windows XP with Service Pack 3, the Welcome to the Found New Hardware Wizard provides the option to search the internet for a driver. Click **No, not this time** and then click **Next**.
 - On PCs running Windows XP and 2000, click the **Install the software automatically (Recommended)** button and then click **Next** (Windows XP only). The wizard searches for driver files.

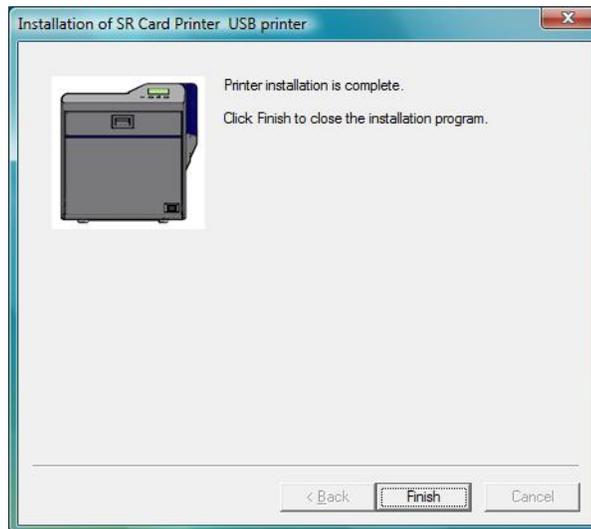


20. A Windows message appears.
- On Windows Vista, a Windows Security dialog box can appear. Choose **Install this driver . . .** to continue.
 - On Windows XP, the Windows Logo testing message appears. Click **Continue Anyway** to continue with installation.
 - On Windows 2000, the Digital Signature Not Found message appears. Click **Yes** to continue with installation.
21. On PCs running Windows XP and 2000, a Found New Hardware Wizard dialog box might appear stating that the wizard is installing the software. Click **Finish** to continue.

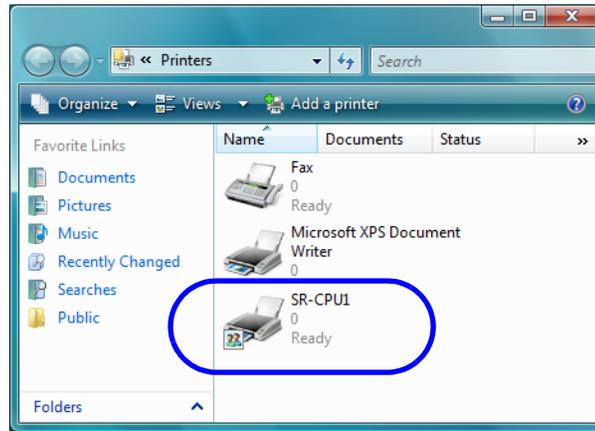
22. The SR-U Port dialog box appears.
- On the **Property** tab, review the information. Make sure the port and printer listed are the ones for this printer. Click **OK** to continue.
 - If the Printer List displays “No Device,” the PC might have a network driver running or installed, or the printer might be set to use a Network (LAN) host interface.
 - a. Remove the USB cable from the printer.
 - b. Click **Cancel**. A dialog appears that confirms the driver was not installed.
 - c. Click **Finish** to close installation.
 - d. Change the Host Interface setting to USB, as described in [“Setting the Unit Number, Printer Name, and Connection”](#) on page 18.
 - e. Begin driver installation again, starting with step “7.”



23. On Windows Vista, a Windows Security dialog box can appear. Choose **Install this driver . . .** to continue.
24. The following dialog box might appear in the background. Click **Finish** to close it.



25. Check the Printers and Faxes window to make sure that the new printer appears.



26. Installation of the printer driver is now complete.

Next Steps

- Continue with installing the Status Monitor. See [“Installing the Status Monitor” on page 33](#).
 - After installing the driver and Status Monitor, you can install the optional Datacard® ID Software plug-in for the SR200/SR300 Printer.
 - To set up printer sharing, see [“Sharing a Printer on a Network Connection” on page 36](#).
 - If you want to delete the printer, restart Windows and then follow the steps in [“Removing the Printer Driver” on page 40](#).
-

Setting the Unit Number, Printer Name, and Connection

If you install more than one SR200 or SR300 printer on a PC, each printer must have a different unit number and printer name. The unit number and printer name must correspond. If you will install a printer over the network, the Default Interface must be set to Network. If you install the printer using a USB cable, the Default Interface must be set to USB.

Tips for Success

- For best results, plan printer deployment and numbering. Install the printer to which you will assign the highest number first, then install the next lower, ending with the printer named PRINTER01 with unit number 1.
- Set the unit number and printer name before installing the printer, if more than one will be installed on the PC.
- When installing the printer using a USB connection, choose the port name to correspond to the unit number and printer name. For example, if the printer name is PRINTER03 and the unit number is 3, choose port SR U3.

- If a network-connected printer will be installed on several PCs, each PC must use the unit number and printer name assigned in the printer.
- If the printer was previously used as a network printer and you want to use a USB connection, the Default Interface must be set back to USB.

1. Install printer supplies. See *Using the Printer* in the *User Guide* to install supplies.
2. Install the Status Monitor from the Support CD. See [“Installing the Status Monitor” on page 33](#). Close the installation windows.



3. With the Support CD in the PC drive, connect the printer and PC using a USB cable. Do **not** use the “Install the Printer” button.



4. Power on the printer. The PC will detect the USB hub, and display a Found New Hardware wizard. Follow the prompts to install the hub software. The PC posts an identifier, such as SR-CPU1. Record this identifier to use in step 7.

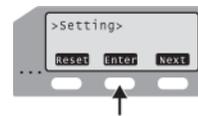
5. Change the unit number at the printer front panel.
 - A. Press **Menu** to enter the menus.



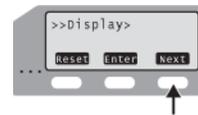
- B. Press **Next** several times until “Setting” is displayed.



- C. Press **Enter** to choose the Setting menu.



- D. The first submenu is “Display.” Press **Next**.



- E. “Unit No.” is displayed. Press **Change**.



- F. Press the down-arrow key to scroll to the unit number to assign.

To choose a lower number, scroll to 10 and then press the down-arrow key again. The number rolls over to 1.



- G. Press the **Return** key two times to assign the number.

- H. Press **Exit** twice to leave the menus.



- I. Power off the printer. Wait 30 seconds or more. Power on the printer.

6. Open the Status Monitor as an Administrator. See the *Printer Settings > Status Monitor* section of the *User Guide*. Choose the Printer Select tab.
7. Make sure the identifier from step 4 is chosen on the Printer Select tab. Choose **Refresh** to get the new unit number from the printer.
8. Change the printer name to correspond with the unit number. For example, if you set the Unit number to 3, change the printer name to PRINTER03.
9. Change the Default Interface value and network settings, if needed.
 - If the printer is set to USB and you plan to install the printer with a Network connection, change the value to **Network**.
 - If the printer is set to Network, and you plan to install the printer with a USB connection, click **Scan Printer** if needed and then change the value to **USB**.

You can use only one method to connect a printer.

10. Choose **Update** to send the new information to the printer. The Unit number and printer name should now correspond in the printer. You can verify all the settings changed by viewing them on the printer front panel. See the *Printer Settings > Using the LCD Menus* section of the *User Guide*.



11. Disconnect the printer and power it off.
12. Return to step 3 to assign the unit number and printer name to the next printer.
13. If you plan to use any SR200 or SR300 printers from this PC, do not remove the Status Monitor.

About Network Installation

You can install the printer over the network with the following choices:

- **Use DHCP or static addressing**

This choice can be set using the Status Monitor. It does not affect the procedure you use to install the printer. See [“Choosing How to Assign the Network Address” on page 21](#) for information about the choices.

- **Use IPv4 or IPv6 addressing**

The printer supports internet protocol (IP) addressing using the typical v4 format, such as 123.123.123.123 (32 bits). It also supports the newer IPv6 standard, which uses 128 bits. Use the format used by other devices on your network.

- **Use a unique printer name**

You can assign a network printer name such as PRINTER01 or PRINTER09. At the same time that you choose a network printer name, set the Unit No (unit number) to a corresponding value. For example, if the Unit No is U2, then the network printer name should be PRINTER02. See [“Setting the Unit Number, Printer Name, and Connection” on page 18](#).

If the printer has been used before this installation, make sure the Unit No and network printer name correspond.

- **Use IPsec security**

To use IPsec security, you must:

- A. Install the printer, driver, and Status Monitor using a USB connection.
- B. Download files for security.
- C. Remove the USB driver and Status Monitor.
- D. Install the printer as a network printer.

The network administrator for your network can tell you the type of security your network uses, and can help with obtaining the needed keys or certificates.

See [“IP Security Using a Printer Certificate” on page 21](#) or [“IP Security Using a Preshared Key” on page 24](#) for the steps to follow.

Network settings include how the IP Address is assigned, assigning address values, and whether to use IP security.

Choosing How to Assign the Network Address

You can use a permanent IP address (called static IP) on any network. A static IP address is stored in the printer and is entered at the PC. The advantage of using a static IP address is that the printer address does not change.

To use DHCP, the network connecting the printer and PC must support DHCP (Dynamic Host Configuration Protocol) and DNS (Domain Name System). DHCP uses a printer name that does not change, such as PRINTER01, combined with an IP address that can change. The DHCP server keeps track of the network printer name and the current IP address for the printer. The printer is identified on the PC by its network printer name.

If you use Static IP addressing, ask your network administrator for the values to use.

You can set the IP address using the Printer Select tab of the Status Monitor. See the *Status Monitor* in the *User Guide* to set the network printer name using the Status Monitor.

IP Security Using a Printer Certificate

To use IPsec security using a Printer Certificate, you need to obtain certificates from a certificate authority for the printer and for each PC that will print to it. The certificates must be

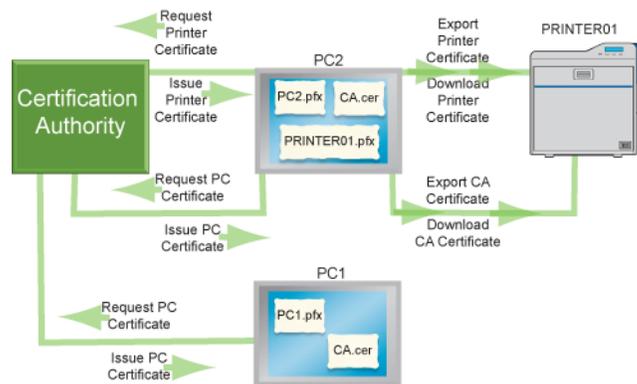
available before setting up IPSec. For more information about IPSec security, search Windows help for “IPSEC.”

Tips for success

- Each PC that uses the printer must have a certificate installed to use the printer after IPSec security has been set up. If the network already uses certificates, the PC is likely to have its certificate installed. The diagram shows the PC’s certificate, but the procedure does not describe it.
 - The printer certificate should be requested once for each printer. It must be an exportable key, and should be downloaded once.
 - The IPSec Mode and IPSec Type values on the printer LCD panel are view-only settings.
-

Track the expiration dates for all certificates used. If a certificate expires, communication between the printer and PC can fail and cards will not print.

The following shows the process you might follow to enable two PCs to print using a Printer Certificate with IPSec.



To set up IPSec Security using a printer certificate, do the following:

1. Install the Status Monitor using a USB connection. See [“Installing the Status Monitor” on page 33](#) for the steps to follow.
2. Obtain the printer certificate and install it on the PC.
3. Export the Printer Certificate and Certificate Authority (CA) Certificate to files.
 - A. Open the Management Console by choosing Start > Run. Type mmc in the Run dialog and click OK. If needed, add the IP Security Policy Management snap-in.
 - B. Start “Certificate (Local Computer).”
 - C. Open the personal store to run the Certificate Export Wizard.

- D. Choose “Personal Information Exchange PKCS#12 (.PFX)” as the format.



- E. Specify a password for the file. Allowed characters are upper and lower case letters (A-Z), numerals (0-9), and the special characters hyphen (-), underscore (_), open and close parentheses(), period (.), and the at symbol (@).
- F. Note the location of the file for use later in the procedure.
- G. Export the CA Certificate also if it does not exist in file form.
4. Connect the PC and printer using a USB cable.
 5. Open the Status Monitor as an administrator. See the *Open the Status Monitor* section in the *User Guide*.
 6. Power on the printer. Do not send any cards to print.
 7. Click the Printer Select tab. Do the following:
 - A. Choose IPsec Enable. See the *Settings* section of the *User Guide*.
 - B. Set the IPsec Type to Printer Certificate.
 - C. Click **Details**. The IPsec setting dialog box opens.
 - D. Choose the correct choice from the Download Type list.
 - E. Click **Select**. The Select Certificate Download File dialog box opens.
 - F. Browse to the location of the Printer Certificate or CA Certificate.
 - G. Select the file and then click **Write**. The Status Monitor sends the file to the printer.
 - H. Repeat steps C through G for the second file (Printer Certificate or CA Certificate, which ever was not downloaded in step F) to download.
 8. Remove the USB cable connecting the printer and PC.
 9. Install the printer using a LAN connection See “[Install using a Network connection](#)” on page 25.

IP Security Using a Preshared Key

To use IPsec security with a Preshared Key, create a key file and then define it to the PC.

Tips for success

- Each PC that uses the printer must use the shared key to use the printer after IPsec security has been set up.
 - The IPsec Mode and IPsec Type values on the printer LCD panel are view-only settings.
 - For more information about IPsec security, search Windows help for “IPSEC.”
-

To set up IPsec security using a Preshared Key, do the following:

1. Install the Status Monitor using a USB connection. See [“Installing the Status Monitor” on page 33](#) for the steps to follow.
2. Create a key.
 - A. Using an application such as Notepad, create a text file for the key.
 - B. Allowed characters are upper and lower case letters (A-Z), numerals (0-9), and the special characters hyphen(-), underscore (_), open and close parentheses(), period (.), comma (,), and the at symbol (@).
 - C. The key can be up to 255 characters long.
 - D. Save the file with an extension of “.key”.
3. Open the Management Console by choosing Start > Run. Type mmc in the Run dialog and click OK. If needed, add the IP Security Policy Management snap-in.
4. Start IP Security Policy Management. This choice is available after IP security has been set up on the PC.
5. Open the “Edit Authentication Method Properties” dialog box for the policy.
6. Choose “Use this string:” and enter the key from step 1.
7. Click OK to save the value and close the dialog box.
8. Connect the PC and printer using a USB cable.
9. Open the Status Monitor as an administrator. See the *Open the Status Monitor* section in the *User Guide*.
10. Power on the printer. Do not send any cards to print.
11. Click the Printer Select tab. Do the following:
 - A. Choose **IPSec Enable**. See the *Settings* section of the *User Guide*.
 - B. Set the IPsec Type to **Preshared Key**.
 - C. Click **Details**. The IPsec setting dialog box opens.

- D. Choose **Preshared Key** from the Download Type list.
 - E. Click **Select**. The Select Certificate Download File dialog box opens.
 - F. Choose Preshared Key from the Download Type list.
 - G. Select the file and then click **Write**. The Status Monitor sends the file to the printer.
12. Remove the USB cable connecting the printer and PC.
 13. Install the printer using a LAN connection See [“Install using a Network connection” on page 25.](#)

Install using a Network connection

1. Set Network values as described in [“Setting the Unit Number, Printer Name, and Connection” on page 18.](#) Begin with the printer powered off and supplies installed.
2. Start the Windows Vista®, Windows® XP, or Windows 2000 operating system and log in as a user with Administrator permissions.
3. Insert the Support CD-ROM for the printer in the PC drive.
4. For Windows Vista, the AutoPlay dialog might appear. Choose **Run** to continue installation.

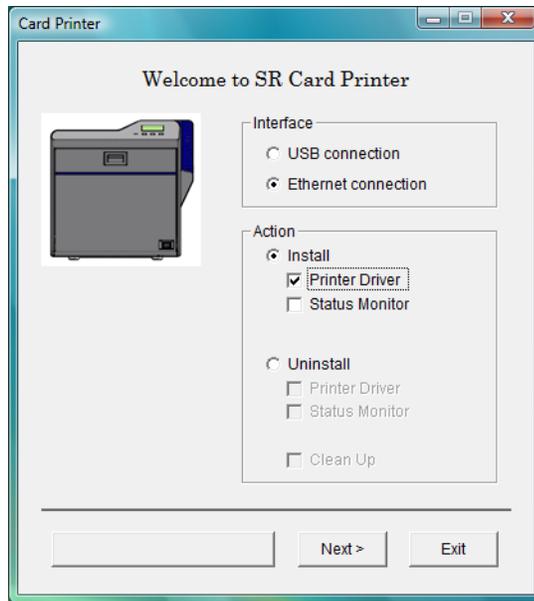


5. When the opening window is displayed, choose the **Install the Printer** button.



6. On the next dialog choose the **Install the Driver** button.

7. On Windows Vista, click “Allow” on the Security dialog box and then click “Continue” on the User Account Control Dialog.
8. The Card Printer installation window opens.

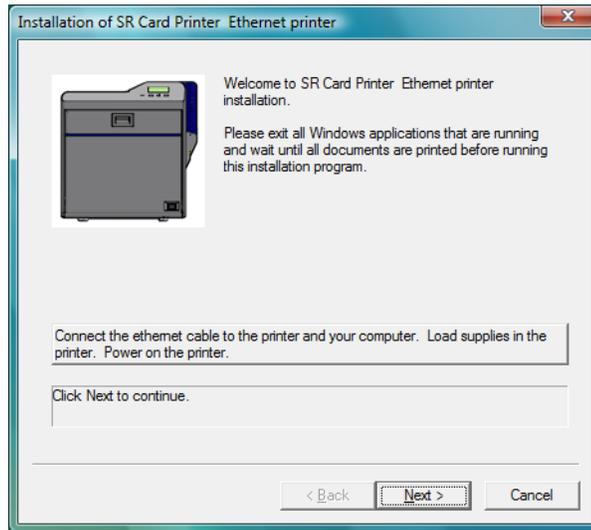


9. Make sure that the following are checked and then click **Next**:
 - Ethernet connection
 - Install
 - Printer Driver
10. On the Software License Agreement, click **I agree** and then click **Next**.

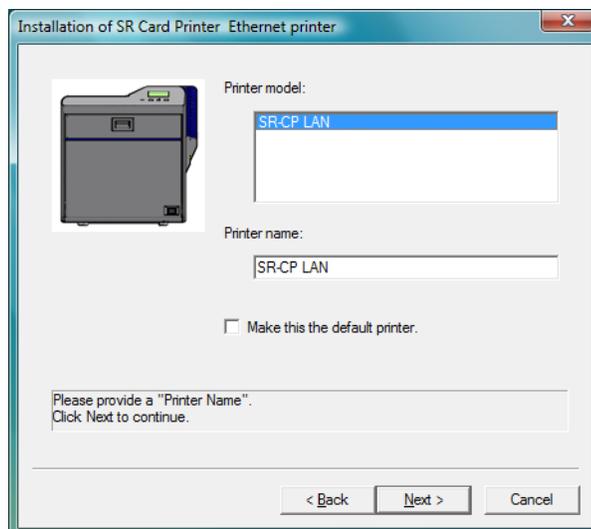
11. When the following dialog box appears, make sure all printing from the PC is complete and then close all other Windows applications. Confirm that the printer is ready and then click **Next**.



Close all active programs before installing the printer driver.

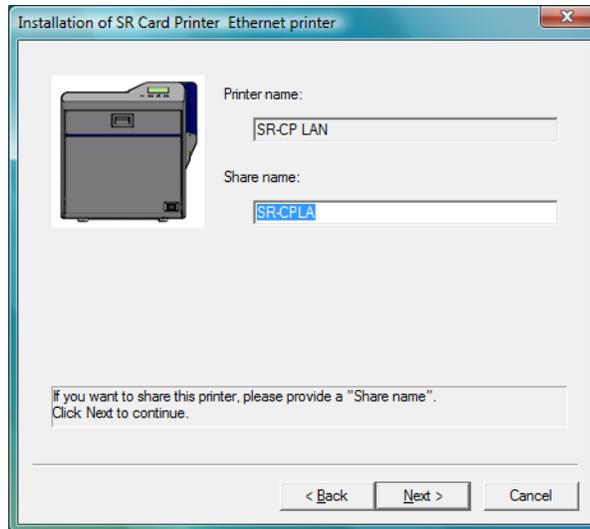


12. Connect the Ethernet cable to the network and to the printer. See [“Connecting the Data Cable” on page 7](#) for the steps to follow.
13. Power on the printer.
14. Select the Printer model from the list. Use the name assigned in [“Setting the Unit Number, Printer Name, and Connection” on page 18](#),



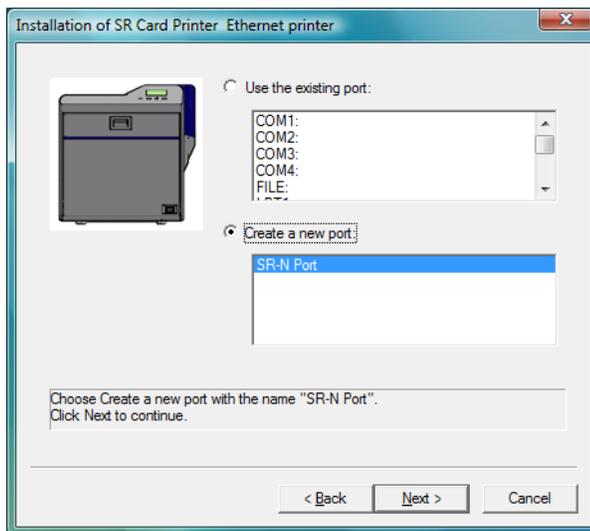
15. Check the **Make this the default printer** box if you plan to use only this printer from this PC. Click **Next**.

16. The printer is installed with sharing enabled by default. Use the default name or enter a “Share name” if needed, and then click **Next**. The Share name cannot contain any spaces.

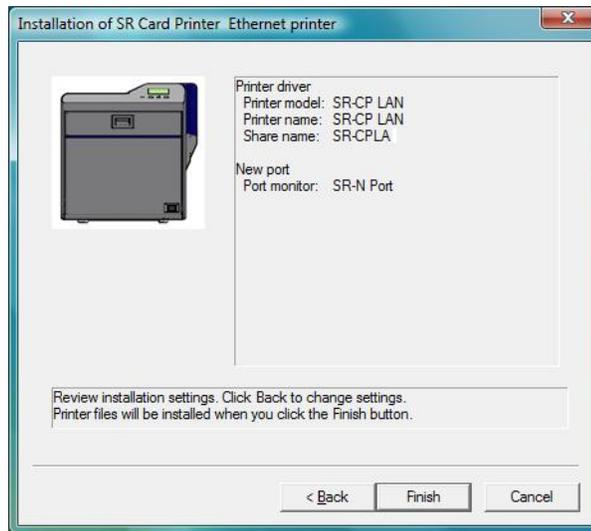


- Sharing can be disabled after the driver is installed, if needed.
- To share the printer, see [“Sharing a Printer on a Network Connection” on page 36.](#)

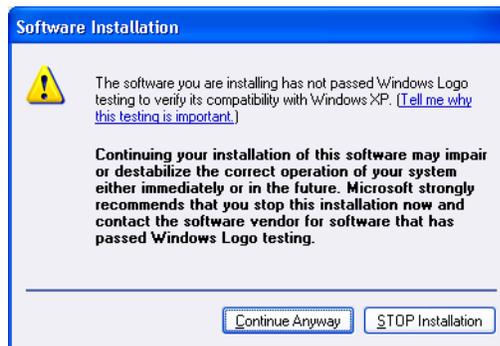
17. Choose **Create a new port:** and then click **Next**.



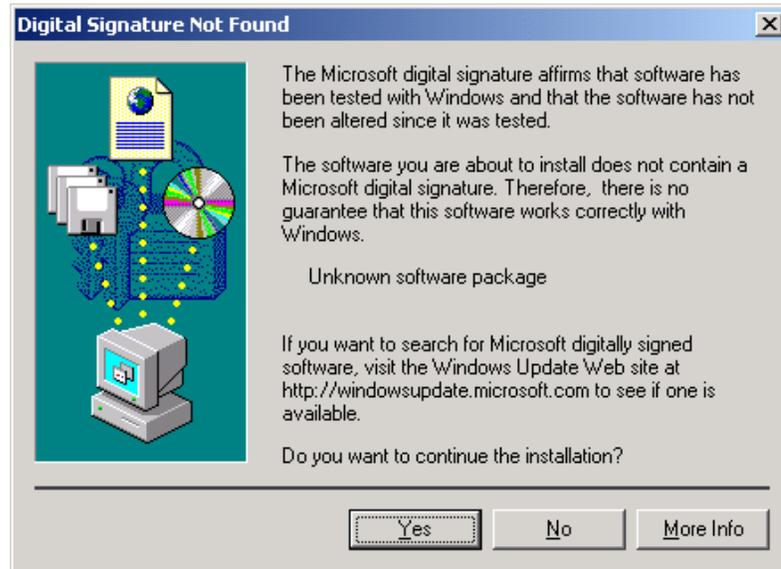
18. Review the summary of choices and then click **Finish**. The wizard begins copying driver files.



19. The installation displays a message regarding port creation.
20. A Windows message appears.
- On Windows Vista, the Windows Security Alert might appear. Click **Unblock** to enable the PC to communicate with the printer.
 - On Windows XP, the Windows Logo testing message appears. Click **Continue Anyway** to continue with installation.

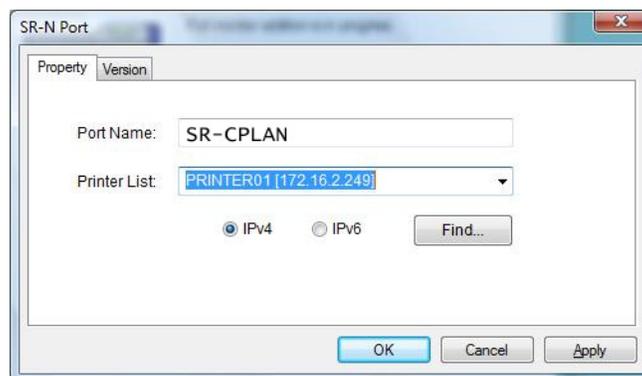


- On Windows 2000, the Digital Signature Not Found message appears. Click **Yes** to continue with installation.

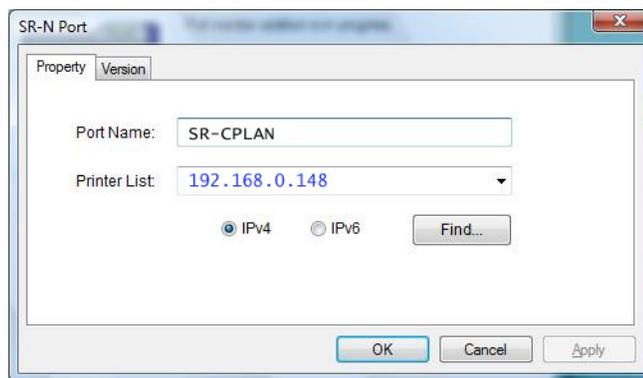


- Security on the PC might be set to prevent installation without a digital signature. See Windows help for "digital signature" or "Logo signing" to change the security setting.

21. The network port (N Port) dialog box appears. On the **Property** tab, enter a port name, such as **SR-CP-LAN**.



22. From the Printer List, choose the entry with the printer name and IP address. Click **OK**.
23. If the printer name and IP address do not appear, search for the printer:
 - a. Retrieve the IP address, as described in the *Printer LCD Panel* section of the *User Guide*.
 - b. Choose IPv4 for a 32-bit IP Address or IPv6 for a 128-bit IP Address.
IPv4 is the default and 192.168.0.148 is the default IP Address.
 - c. Type the IP Address in the Printer list.
 - d. Click **Find** to locate the printer.

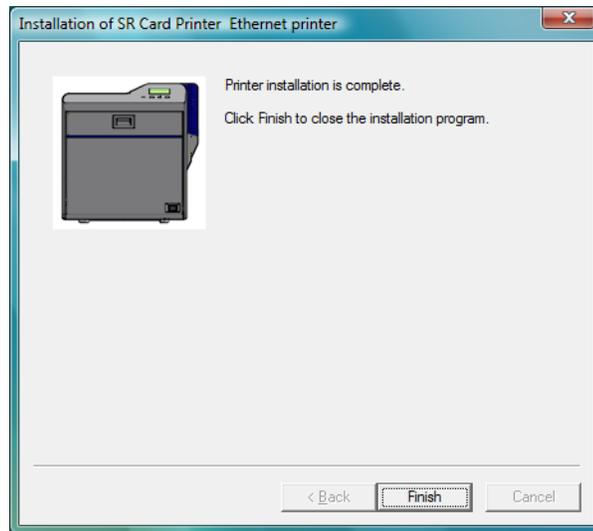


24. A Windows message appears.
 - On Windows Vista, the Windows Security dialog box appears. Choose **Install this driver . . .** to continue with installation.

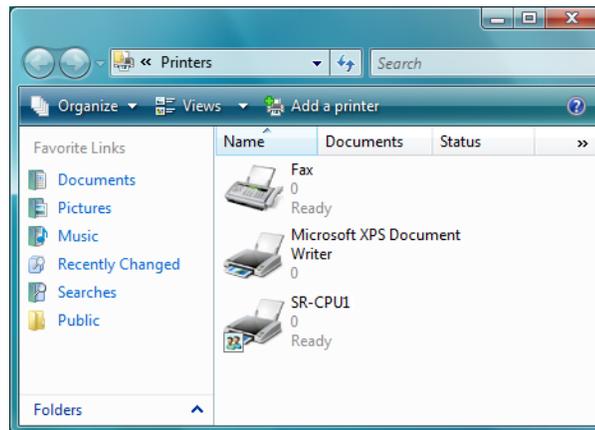


- On Windows XP, the Windows Logo testing message appears. Click **Continue Anyway** to continue with installation.
- On Windows 2000, the Digital Signature Not Found message appears. Click **Yes** to continue with installation.

25. The last page of the wizard appears. Click **Finish**. You can leave the CD-ROM in the PC drive.



26. Check to make sure that the new printer appears in the Printers or Printers and Faxes window.



27. Installation of the printer driver is now complete.

Next Steps

- Continue with installing the Status Monitor. See [“Installing the Status Monitor” on page 33](#).
 - After installing the driver and Status Monitor, you can install the optional Datacard[®] ID Software plug-in for the SR200/SR300 Printer.
 - If you want to delete the printer, restart Windows and then follow the steps in [“Removing the Printer Driver” on page 40](#).
-

Installing the Status Monitor

The Status Monitor is an application that runs on the PC and communicates with the printer. It shows information about the printer and provides the ability to change most printer settings.

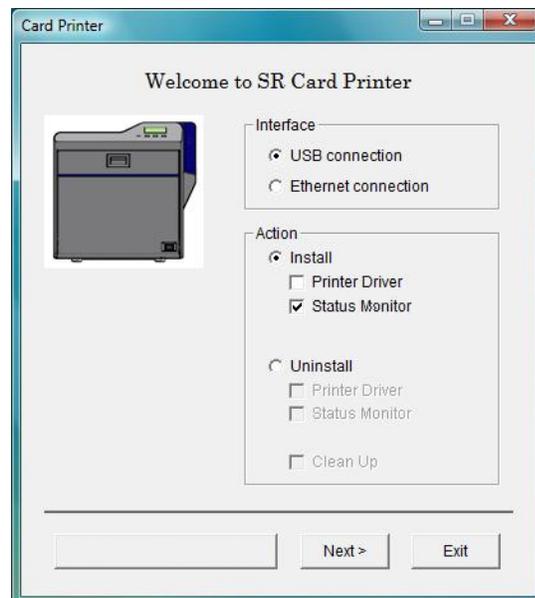
Install the Status Monitor on the PC connected directly to the printer (USB or network).

 If you are installing the Status Monitor as soon as the driver is installed, begin at step 7, with the Card Printer installation window open.

1. Start the Windows Vista®, Windows® XP, or Windows 2000 operating system and log in as a user with Administrator permissions.
2. Insert the Support CD for your printer in the PC drive.
3. When the opening window is displayed, choose the **Install the Printer** button.



4. Choose the **Install the Driver** button.
5. On Windows Vista, click **Allow** on the User Account Control Dialog.
6. The Card Printer installation window opens.



7. Make sure that the following are checked:
 - Install
 - Status Monitor
8. Click **Next**.
9. Confirm the directory for installation and then click **Next**.



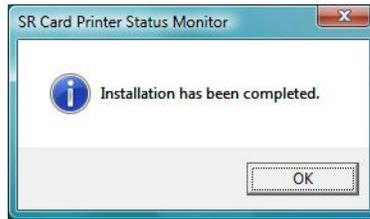
10. Check **Make a shortcut icon on desktop** if you want a desktop icon. For best results, keep **Register for start menu** checked, to allow opening the Status Monitor from the Windows Start menu. Click **Next** to install Status Monitor files.



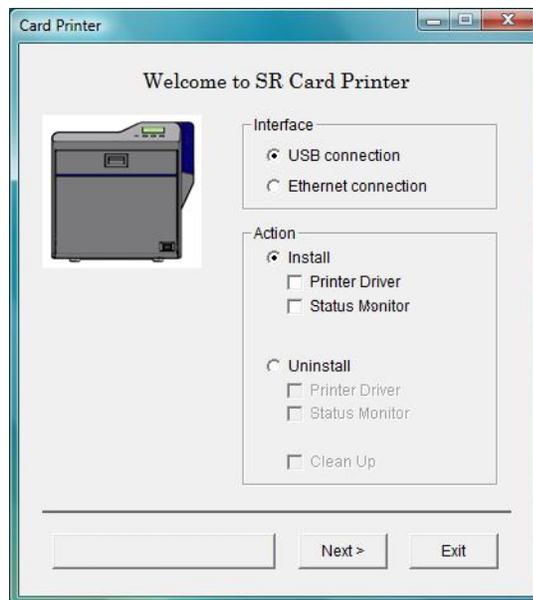
11. When the Status Monitor is installed, click **Finish**.



- Click **OK** to complete this installation.



- The PC returns to the Card Printer window. Click **Exit** on the Card Printer installation window and the CD window. Click **Yes** on the Installation Report dialog to complete the installation report.
- When both windows are closed, remove the CD from the PC's drive.



- You can open the Status Monitor from the Start menu (and from the desktop icon if one is installed). See the *User Guide* for information about using the Status Monitor.

Continue with the following:

- Installing ID software and the plug-in software.
- Setting up for your card design.

Tips for Success

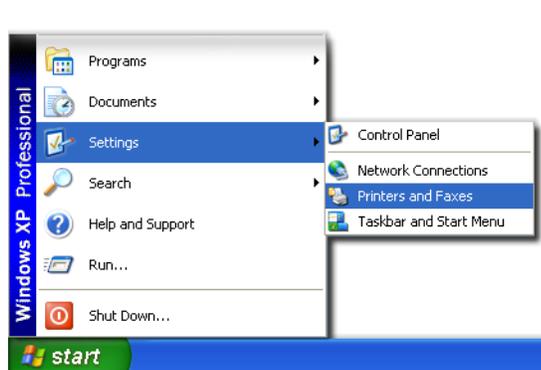
- If you have more than one SR-CP printer connected to a PC, install the Status Monitor once. You can choose which printer to view in the Status Monitor.
 - Use the Status Monitor from the host PC only, if you use Windows printer sharing. The Status Monitor does not work from the client PC.
-

Sharing a Printer on a Network Connection

Printer sharing is a Windows-supported feature where a printer installed on a host PC can be used from another PC on the network (often called the client PC). For best results, use printer sharing with PCs running the Windows XP or Windows 2000 operating systems.

Before installing an SR200 or SR300 printer on a client PC:

- Log in to the client PC as a user with Administrator permission, which is required for installing printers. The user installing at the client PC must also have authorization at the host PC to install the printer.
 - Make sure that the client PC has network access to the host PC (where the printer is installed).
 - Make sure that the printer is set for sharing. The icon in the Printers window includes a hand (Windows 2000 and XP) or a photo (Windows Vista) when sharing is enabled. See Windows help for “Printer Sharing” for details on enabling printer sharing. 
 - Make sure that the printer driver is installed (following the steps that begin on page 9) and working on the host PC.
 - Make sure that the printer name does not have spaces in the name.
 - You must know the computer name and workgroup name of the host PC to locate it on the network. See Windows help for “computer name” for details on finding the names.
 - Users at the client PC must be authenticated, usually by logging in, at the host PC for printing to be allowed.
1. On the client PC, open the Printers windows.
 - On Windows XP and Windows 2000, choose **Start > Settings > Printers (and Faxes)** to display the Printers (and Faxes) window.



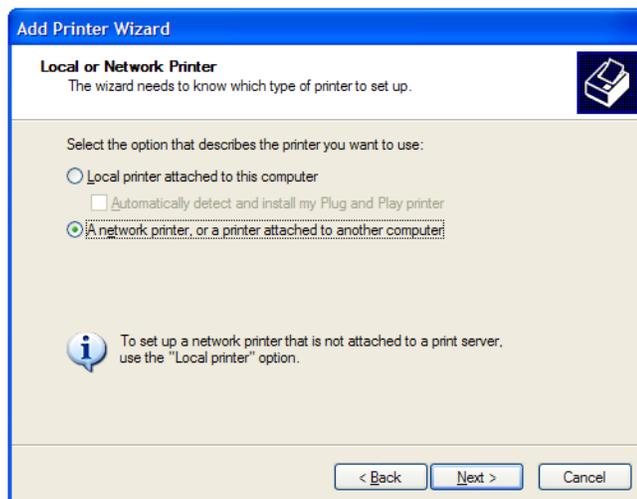
2. Choose the **Add Printer** icon (or choose **File > Add Printer** from the menu).



3. The Add Printer Wizard appears. Click **Next**.

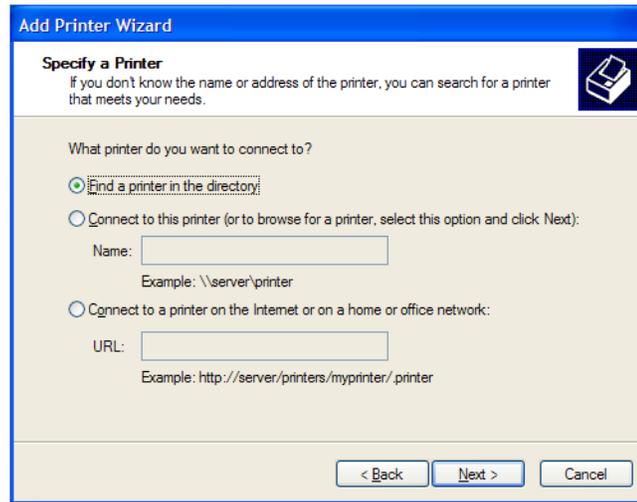


4. Choose **A network printer, or a printer attached to another computer** and then click **Next**.

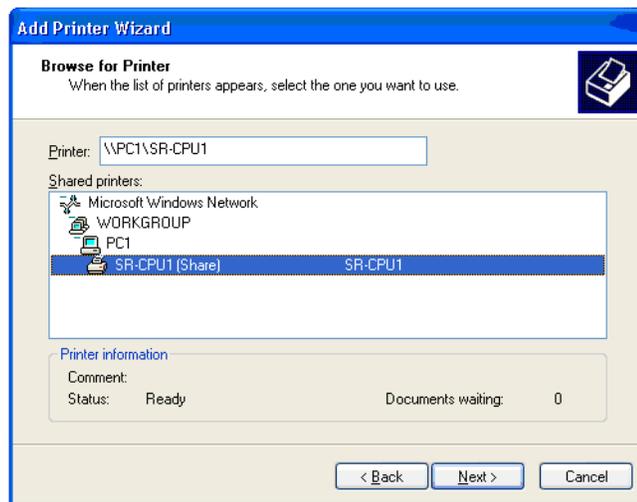


5. Log in to the host PC if prompted.

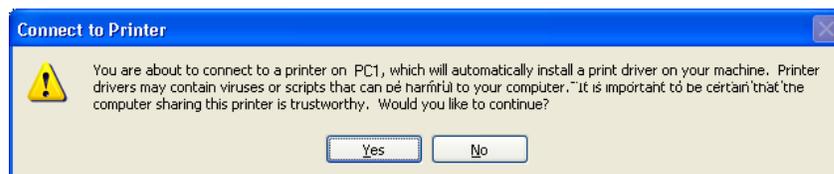
6. Choose **Find a printer in the directory**, or choose **Connect to this printer...** with the **Name** empty. Click **Next**.



7. Browse the network for the host PC computer name and then locate the shared printer attached to it.
8. Choose **SR-CPU1 (Share)**, or other printer name from the Shared printers list and then click **Next**.



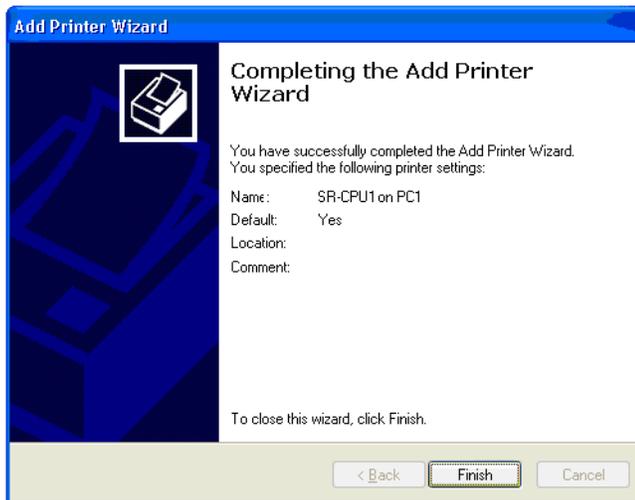
9. An information dialog box appears. Click **Yes** to continue.



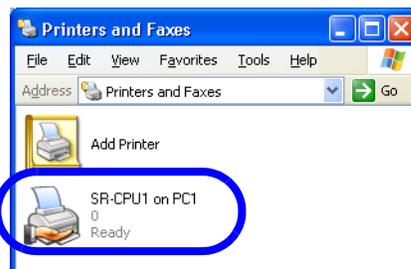
10. On Windows 2000, the wizard displays the following dialog box. Choose **Yes** or **No** (depending on your needs) and then click **Next**.



11. Click **Finish** on the “complete” or “successful” screen.



12. Check to make sure that the shared printer is displayed in the “Printers and Faxes” window.



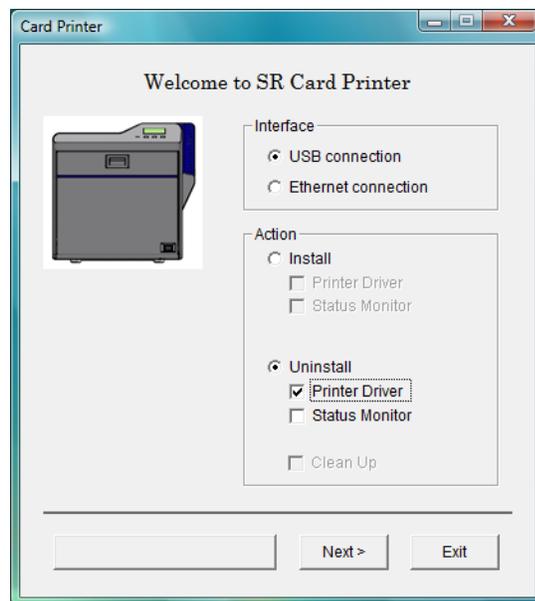
13. Installation of the shared printer on the client PC is complete.

Removing the Printer Driver

-  Close all active programs before removing the printer driver.

For best results, begin with the printer powered on and connected to the PC.

1. With Windows running, insert the printer Support CD in the PC drive.
2. Choose the **Install the Printer** button.
3. Choose the **Install the . . . Driver** button.
4. On Windows Vista, the User Account Control dialog appears. Click **Allow** to continue.
5. The Card Printer installation window opens.



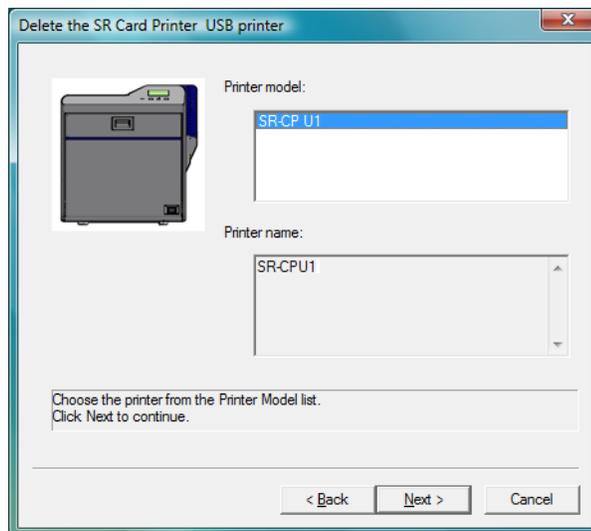
6. Make sure the following are selected, and then click **Next**:
 - The type of connection—USB or network
 - Uninstall
 - Printer Driver

If the Status Monitor is installed and you are removing all SR200 or SR300 printers from the PC, remove it at the same time by checking **Status Monitor** under **Uninstall**.

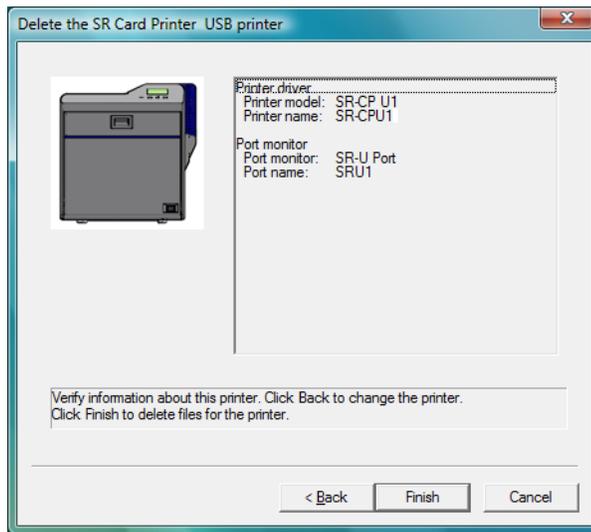
7. The opening dialog box appears. Click **Next**.



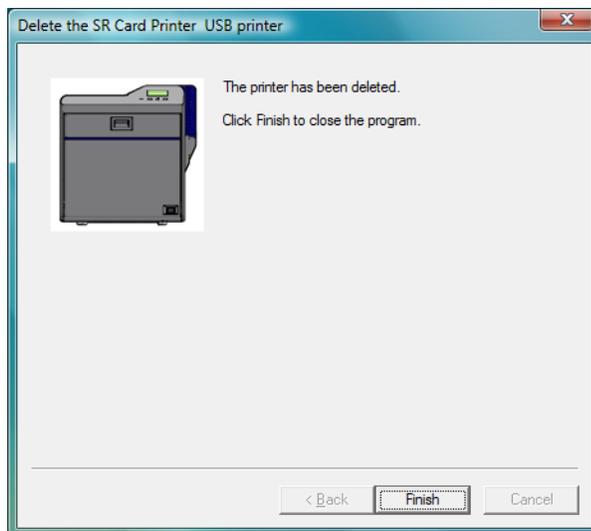
8. Choose the printer from the **Printer model** list and then click **Next**.



9. Review the information on the dialog box that appears.
 - If you need to choose a different printer, click **Back** and return to step 6.
 - If you do not want to remove the printer at this time, click **Cancel**.
 - To remove driver files, click **Finish**.



10. When the following dialog box appears, click **Finish**.



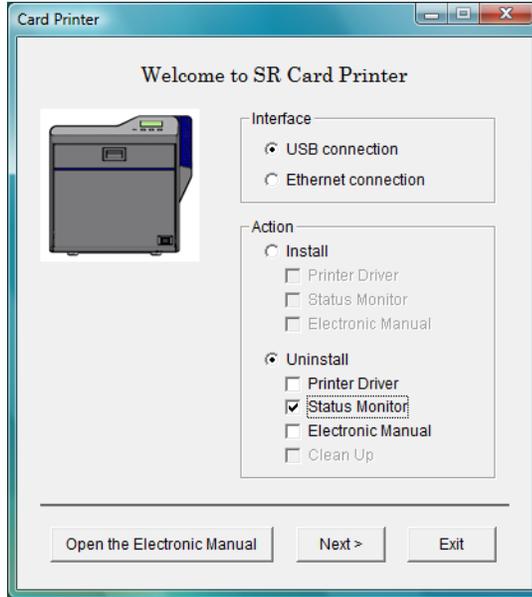
11. The printer driver has been removed.

Continue with removing the Status Monitor if it was installed, or restart Windows.

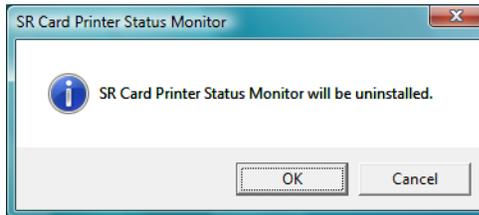
Removing the Status Monitor

Remove the Status Monitor after removing the driver.

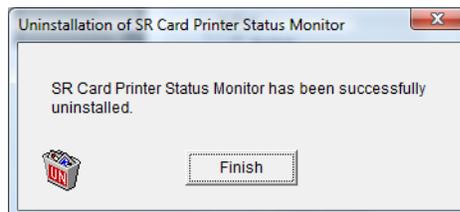
1. Begin with the Card Printer installation window open.



2. Make sure the following are selected, and then click **Next**:
 - Uninstall
 - Status Monitor



3. Click **OK**.
4. If an uninstall dialog opens, click **Yes** to continue.



5. Click **Finish**. The Status Monitor shortcuts and files are removed from the PC.
6. Click **Exit** to close the Card Printer window.
7. Restart Windows.

Updating the Printer Driver

To update to a newer printer driver:

- Remove the existing printer driver, as described in [“Removing the Printer Driver” on page 40](#). For best results, remove the Status Monitor also. [“Removing the Status Monitor” on page 43](#).
- Restart Windows.
- Install the newer printer driver, as described in [“Installing the Printer Driver” on page 9](#). Install the newer Status Monitor. [“Installing the Status Monitor” on page 33](#).



Regulatory Compliance

Notice for USA (FCC Notice)

This equipment generates, uses, and can radiate radio frequency energy. If it is not installed and used in accordance with this instruction manual, it may interfere with radio communications.

This equipment has been tested and found to be within the limits for a Class A computing device, pursuant to Subpart J of Part 15 of FCC rules. These limits are designed to provide reasonable protection against radio interference when the equipment is operated in a commercial environment. Operation of this equipment in a residential environment may possibly cause interference. In the event of interference, the users, at their own expense, will be required to take whatever measures are necessary to correct the problem.

Notice for Canada

This digital apparatus does not exceed the Class A limits for radio noise for digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

Information for EU

Sound power level: less than 70dB(A) according to DIN45635 part 19 (EN27779). The measurements are made according to DIN45635 part 2019 or EN27779, respectively.

Safety

All Datacard products are built to strict safety and reliability specifications in accordance with UL60950-1 and CUL requirements; therefore, safety issues pertaining to operation and repair of Datacard equipment are primarily environmental and human interface.

The following basic safety tips are given to ensure safe installation, operation, and maintenance of Datacard equipment and are not to be considered as comprehensive on matters of safety.

Safe Environment

- Connect equipment to a grounded facility power source. Do not defeat or bypass the ground lead.
- Place the equipment on a stable surface, and ensure that the floors in the work area are dry and non-slip. Insulated rubber floor mats are preferred.
- Know the location of equipment branch circuit interrupters or circuit breakers and how to turn them on and off in case of emergency.
- Know the location of fire extinguishers and how to use them. Use only ABC type extinguishers on electrical fires.

- Know local procedures for first aid and emergency assistance at the customer facility.
- Use adequate lighting at the equipment.
- Maintain the recommended range of temperature and humidity in equipment area.
- Do not use this product in an environment containing volatile or flammable compounds.

Safe Human Interface

- Use proper lifting techniques when moving or installing the equipment.
- Use standard electrostatic discharge (ESD) precautions when working on or near electrical circuits.
- Do not defeat or disconnect safety interlocks on covers.

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