
SCR331 FIRMWARE UPDATE PROCEDURE

The following three sections describe the procedure for downloading the drivers and firmware.

Note: The procedure must be performed on a computer running Window XP or Windows 2000 (W2K) OS.

Download Drivers and Firmware

Table 11 lists the steps to download the SCR331 USB Smart Card Reader drivers and Firmware update.

Table 1: Download Drivers and Firmware

Step No.	Action
1.	Create a folder on the desktop named SCR331Temp .
2.	Open a browser and go to http://www.scmmicro.com/support/pcs_downloads.php?lang=en
3.	In the middle of the window, click Driver/Firmware in the Type field.
4.	Click SCR331/SCR531 CCID USB in the Smartcard Reader field.
5.	Click Windows(R) XP 32-bit in the OS field.
6.	In the bottom of the window, ensure the I read and accept the EULA check box is selected and click Next .
7.	In the SCR331/SCR531 CCID USB Firmware section, download the SCRx31CCID_fw525.zip file by clicking Download File following the name. Save the file to the SCR331Temp folder just created on the Desktop.
8.	In the SCR331/SCR531 CCID USB - Windows (R) XP 32-bit Driver/Installer section, download the SCR3xxx_4.31_4.41.zip file by clicking Download File following the name. Save the file to the SCR331Temp folder just created on the Desktop.
9.	Close the browser.
10.	Expand SCR331Temp\SCR3xxx_4.31_4.41.zip and copy the SCR3xxx_Drivers_Win2k_Win2003server_XP3264_Vista3264_V4.41 folder to the Desktop.
11.	Close SCR3xxx_4.31_4.41.zip .
12.	Expand SCR331Temp\SCRx31CCID_fw5.25.zip and copy the SCRx31CCID_fw5.25 folder to the Desktop.
13.	Close SCRx31CCID_fw5.25.zip .
14.	Delete the SCR331Temp file.

Install the SCR331 USB Smart Card Reader


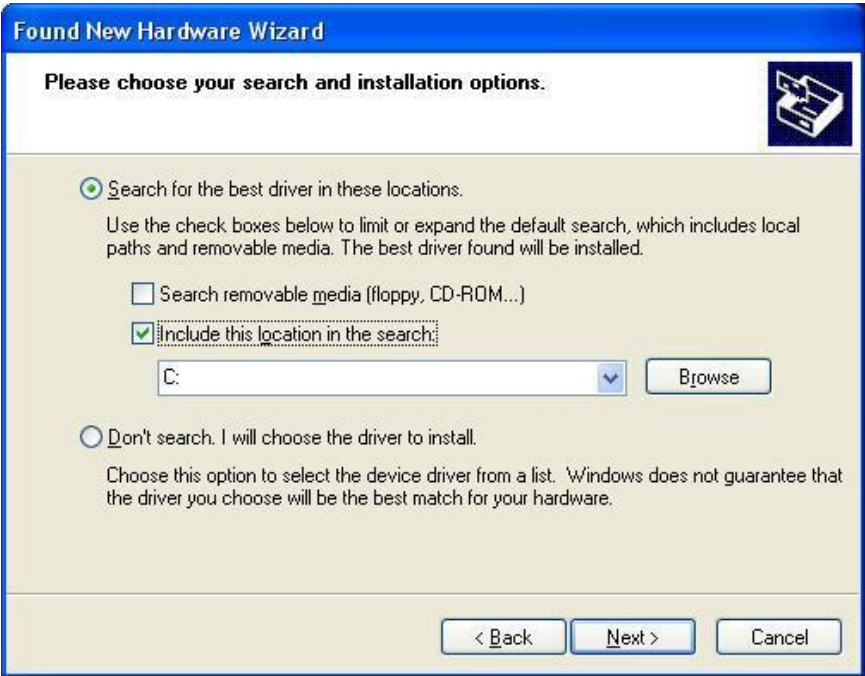
Table lists the steps to install the SCR331 USB Smart Card Reader on a computer running WXP Professional or Home OS.

These steps only need to be completed *once*. If the SCR331 was previously installed on the Windows computer, proceed to Section 0,


Note: Update the Firmware.

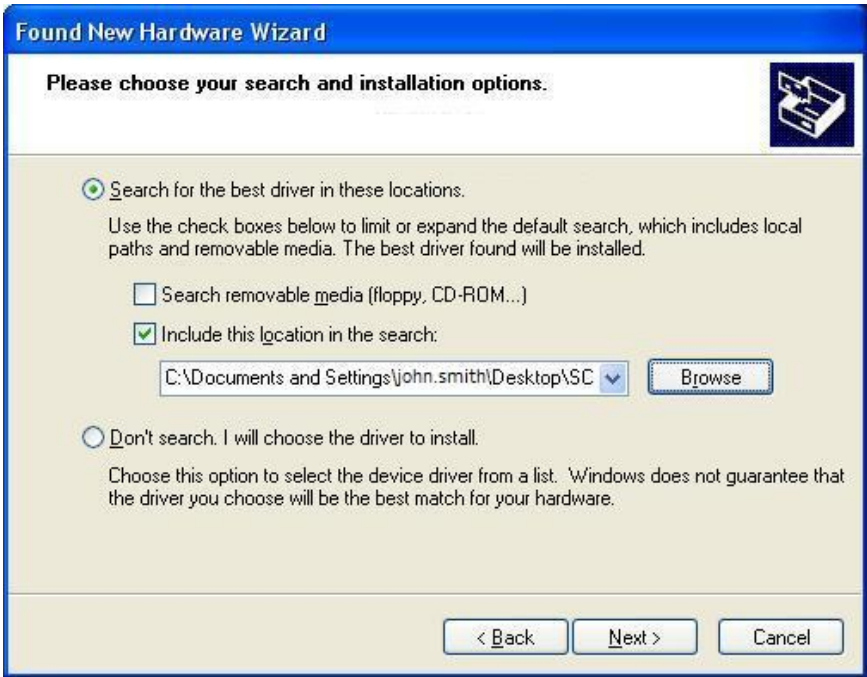
Table 2: Install SCR331 Drivers

Step No.	Action
1.	<p>Plug the SCR331 reader into a USB port on the computer. The New Hardware Wizard starts if the device has not been connected before. Select the No, not this time option and click Next.</p> 

Step No.	Action
2.	<p>Ensure the Install from a list or specific location (Advanced) check box is selected and click Next.</p> 
3.	<p>Select the Search for the best driver in these locations option and check the Include this location in the search box. Click Browse.</p> 

Step No.	Action
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4.	<p>Select the SCR3xx_Drivers_Win2k_Win2003server_XP3264_Vista3264_v4.41 folder. Click OK to close the Browse for Folder window.</p> 
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5.	<p>Click Next.</p> 
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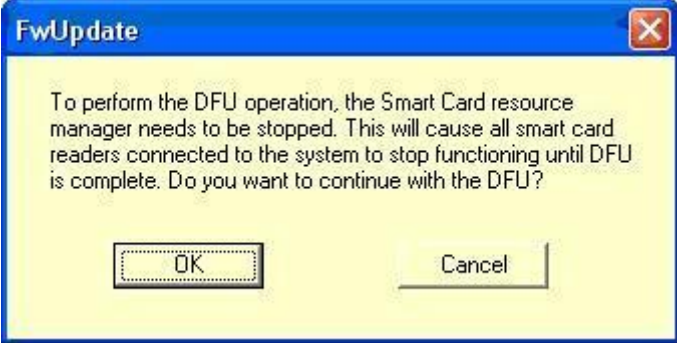
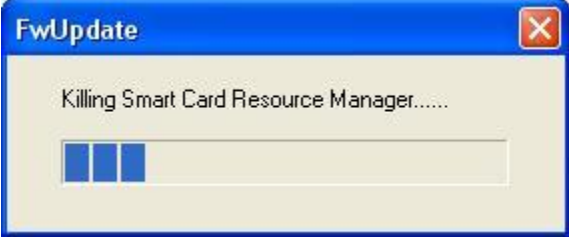
Step No.	Action
6.	<p>Click Finish to close the New Hardware Wizard.</p> 
7.	<p>The SCR331 drivers are now installed. Proceed to Section, 0, Update the Firmware.</p>


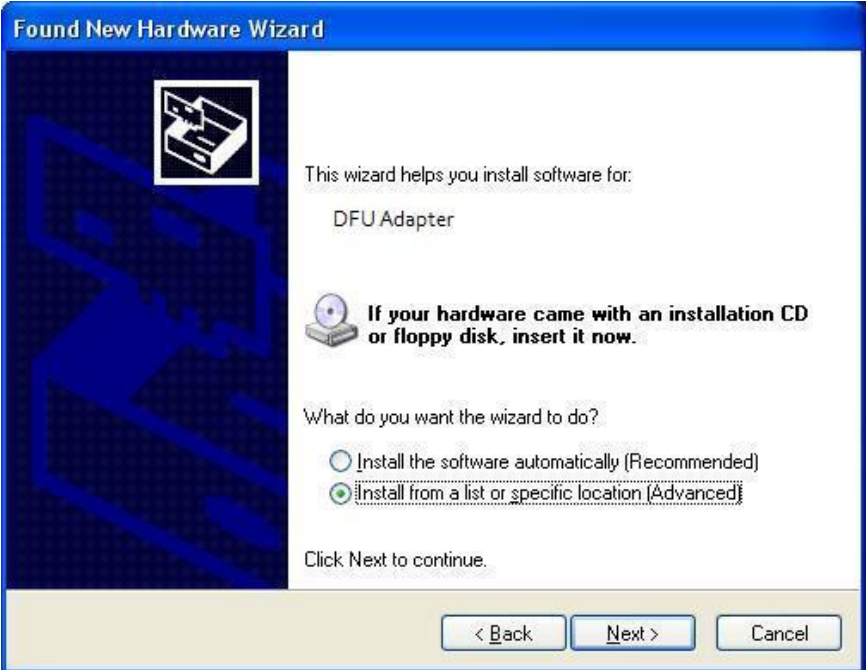
Update the Firmware

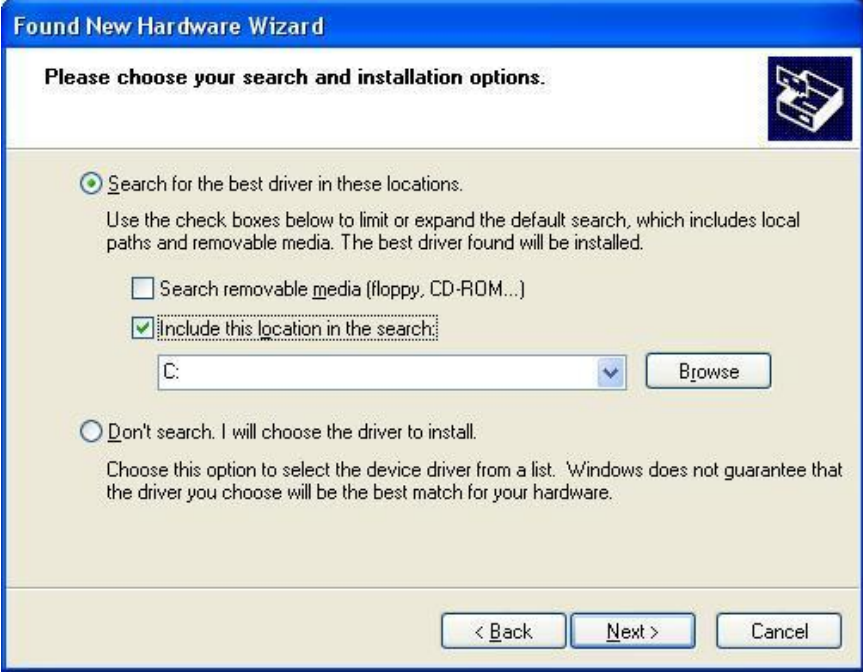
Table 3 lists the steps to update the SCR331 Firmware.

Table 3: Update SCR331 Firmware


Step No.	Action
1.	Open the SCR331\FWUpdate folder.

Step No.	Action
2.	<p>Run FWUpdate.exe. The FwUpdate window appears.</p> 
3.	<p>Click OK. A Killing Smart Card Resource Manager message appears showing that the Smart Card Resource Manager will be stopped.</p>  <p>Note: This step may take a minute or more. When the Smart Card Resource Manager is stopped, a New Hardware Found message may appear. If it does not, proceed to step 9.</p>


Step No.	Action
4.	<p>The Found New Hardware Wizard will start if the Smart Card Device Firmware Update (DFU) Adapter drivers are not detected. If this occurs, select the No, not this time option and click Next.</p> 
5.	<p>Select the Install from a list or specific location (Advanced) option and click Next.</p> 

Step No.	Action
6.	<p>Select the Search for the best driver in these locations option and check the Include this location in the search box. Click Browse.</p> 

Step No.	Action
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7.	<p>The Browse for Folder window appears, select the SCRx31 CCID_fw5.25 folder. Click OK and Next.</p> 
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8.	<p>Click Finish to close the Found New Hardware Wizard window.</p> 
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Step No.	Action																								
9.	<p>The Generic Device Firmware Upgrade Utility window appears:</p>  <p>List of device parameters, their current value and their value after download are displayed. These are provided for user confirmation.</p> <table border="1" data-bbox="686 527 1279 783"> <thead> <tr> <th>Parameter</th> <th>Existing value</th> <th>New value</th> </tr> </thead> <tbody> <tr> <td>Download filename</td> <td>SCR531_V525...</td> <td></td> </tr> <tr> <td>Manufacturer</td> <td>SCM Microsyste...</td> <td>SCM Microsyste...</td> </tr> <tr> <td>Product</td> <td>SCRx31 USB S...</td> <td>SCRx31 USB S...</td> </tr> <tr> <td>Vendor ID</td> <td>04E6</td> <td>04E6</td> </tr> <tr> <td>Product ID</td> <td>E001</td> <td>E001</td> </tr> <tr> <td>Firmware Version</td> <td>04.13</td> <td>05.25</td> </tr> <tr> <td>Serial Number</td> <td>00006333</td> <td>00006333</td> </tr> </tbody> </table> <p>Close all applications that use the device and proceed further.</p> <p>FwUpdate Finish Cancel</p>	Parameter	Existing value	New value	Download filename	SCR531_V525...		Manufacturer	SCM Microsyste...	SCM Microsyste...	Product	SCRx31 USB S...	SCRx31 USB S...	Vendor ID	04E6	04E6	Product ID	E001	E001	Firmware Version	04.13	05.25	Serial Number	00006333	00006333
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10.	Click Finish .																								
11.	All steps requiring a computer running WXP OS have been completed. Shut down the computer and disconnect the SCR331.																								