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# 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 <b>SCR331Temp</b> .
2.	Open a browser and go to <a href="http://support.identive-infrastructure.com/dfu_fw.php?lang=1">http://support.identive-infrastructure.com/dfu_fw.php?lang=1</a>
3.	In the middle of the screen, make sure <b>Windows</b> is in the <b>Operating System</b> list.
4.	Click <b>SCR531</b> in the <b>Card Reader</b> drop down.
5.	Click <b>V5.25</b> in the <b>Version</b> drop down list.
6.	Select the <b>Download</b> button. Select <b>Save</b> when you are prompted to Open, Save, or Cancel. Save the file to the <b>SCR331Temp</b> folder created on the Desktop.
7.	In the <b>SCR331/SCR531 CCID USB Firmware</b> section, download the <b>SCRx31CCID_fw525.zip</b> file by clicking <b>Download File</b> following the name. Save the file to the <b>SCR331Temp</b> folder just created on the Desktop.
8.	In the <b>SCR331/SCR531 CCID USB - Windows (R) XP 32-bit Driver/Installer</b> section, download the <b>SCR3xxx_4.31_4.41.zip</b> file by clicking <b>Download File</b> following the name. Save the file to the <b>SCR331Temp</b> folder just created on the Desktop.
9.	Close the browser.
10.	Right click and select <b>Extract All</b> on the fwupdate.zip file. Select the Extract button again
11.	Close <b>SCR3xxx_4.31_4.41.zip</b> .
12.	Expand <b>SCR331Temp\SCRx31CCID_fw5.25.zip</b> and copy the <b>SCRx31CCID_fw5.25</b> folder to the Desktop.
13.	Close <b>SCRx31CCID_fw5.25.zip</b> .
14.	Delete the <b>SCR331Temp</b> file.

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## 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.


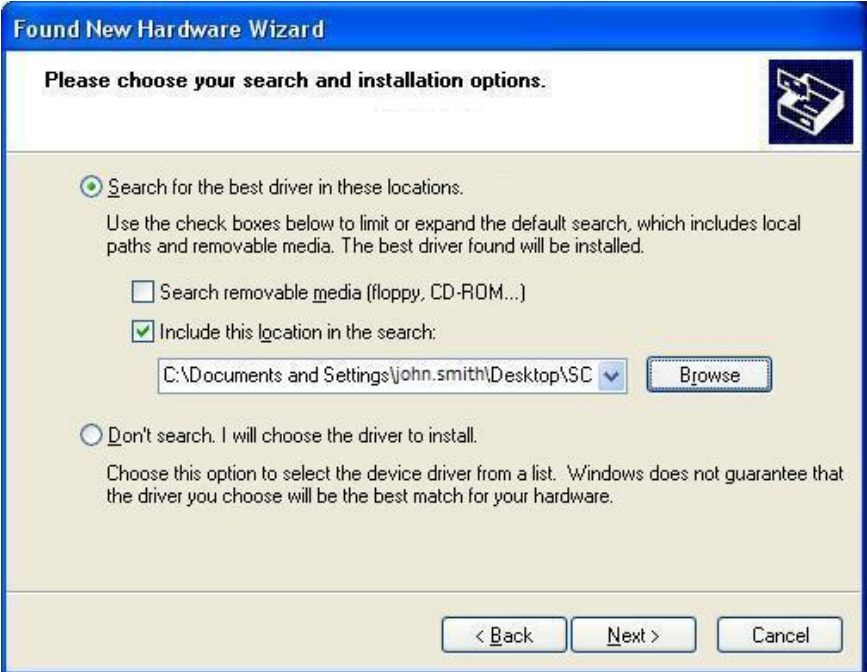
These steps only need to be completed *once*. If the SCR331 was previously installed on the Windows computer, proceed to Section 0,

**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 <b>New Hardware Wizard</b> starts if the device has not been connected before. Select the <b>No, not this time</b> option and click <b>Next</b>.</p> 

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

Step No.	Action
4.	<p>Select the <b>SCR3xx_Drivers_Win2k_Win2003server_XP3264_Vista3264_v4.41</b> folder. Click <b>OK</b> to close the <b>Browse for Folder</b> window.</p> 
5.	<p>Click <b>Next</b>.</p> 

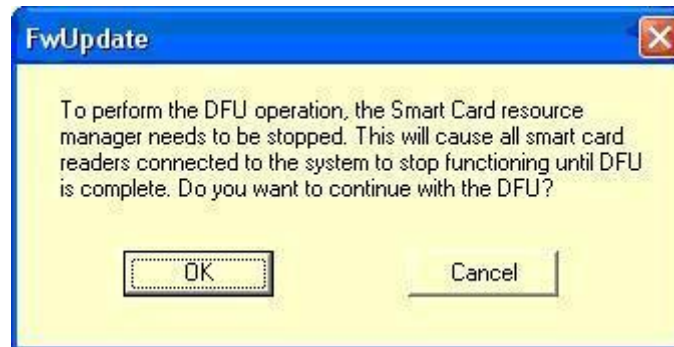
	Step No.	Action
	6.	<p>Click <b>Finish</b> to close the <b>New Hardware Wizard</b>.</p> 
	7.	<p>The SCR331 drivers are now installed. Proceed to Section, 0, Update the Firmware.</p>


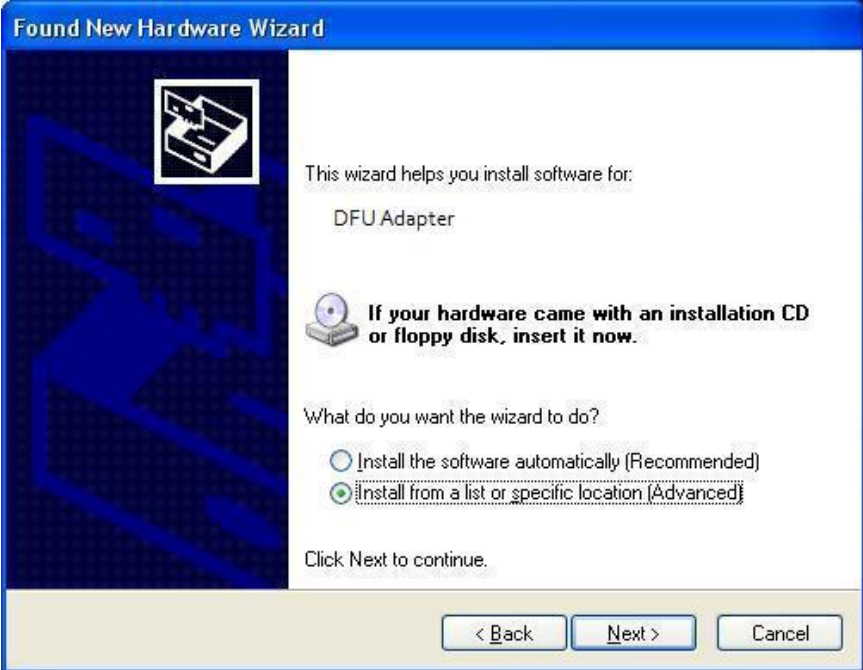
### Update the Firmware

Table 3 lists the steps to update the SCR331 Firmware.

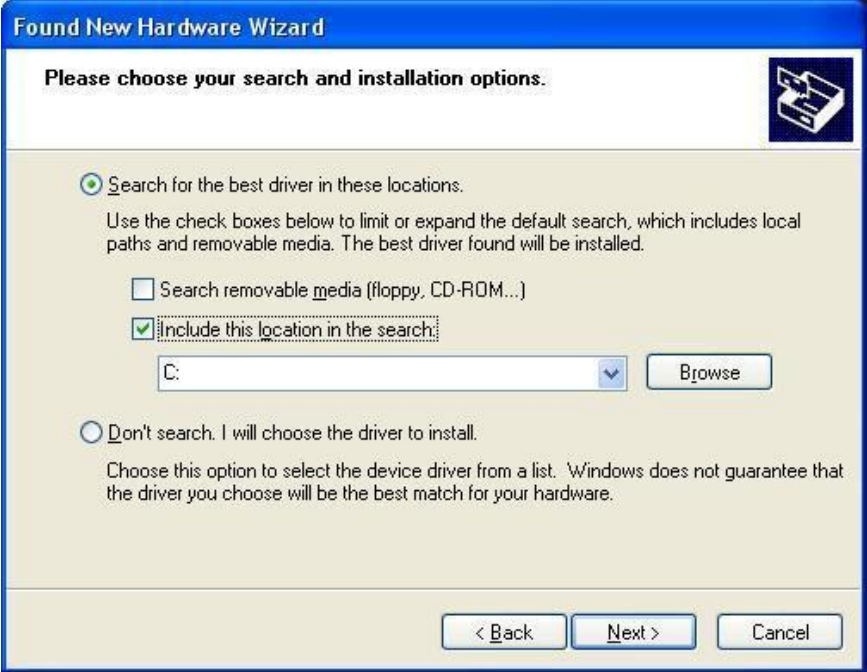
**Table 3: Update SCR331 Firmware**



Step No.	Action
1.	Open the <b>SCR331\FWUpdate</b> folder.
Step No.	Action
2.	Run <b>FWUpdate.exe</b> . The <b>FwUpdate</b> window appears.
3.	<p>Click <b>OK</b>. A <b>Killing Smart Card Resource Manager</b> message appears showing that the Smart Card Resource Manager will be stopped.</p> <div data-bbox="599 989 1167 1226" data-label="Image">A screenshot of a Windows-style dialog box titled "FwUpdate". The dialog box has a blue title bar with a red close button in the top right corner. The main area is light beige and contains the text "Killing Smart Card Resource Manager....." above a progress bar. The progress bar is partially filled with blue, indicating the process is in progress.</div> <p><b>Note:</b> This step may take a minute or more. When the Smart Card Resource Manager is stopped, a <b>New Hardware Found</b> 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 <b>No, not this time</b> option and click <b>Next</b>.</p> 
5.	<p>Select the <b>Install from a list or specific location (Advanced)</b> option and click <b>Next</b>.</p> 



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

Step No.	Action
7.	<p>The <b>Browse for Folder</b> window appears, select the <b>SCRx31 CCID_fw5.25</b> folder. Click <b>OK</b> and <b>Next</b>.</p> 
8.	<p>Click <b>Finish</b> to close the <b>Found New Hardware Wizard</b> window.</p> 

Step No.	Action																								
9.	<p>The <b>Generic Device Firmware Upgrade Utility</b> 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="688 527 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 <span style="float: right;">Finish Cancel</span></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 <b>Finish</b> .																								
11.	All steps requiring a computer running WXP OS have been completed. Shut down the computer and disconnect the SCR331.																								