



Installation Guide



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Introduction

This guide includes the information that you will need to successfully install and test VirtualReScan (VRS). The guide outlines the basic system requirements and gives you step-by-step procedures for installing and testing VRS. Additionally, the guide includes instructions for installing and testing an Adrenaline SCSI scanner controller on your computer.

This guide is written with the assumption that you are familiar with basic Windows functionality and that you know how to set up and use a scanner with your scanning application.

How this Guide is Organized

This guide consists of the following chapters:

Overview gives a synopsis of the VirtualReScan (VRS) product and outlines the requirements for running VRS. This chapter also gives an overview of Adrenaline SCSI scanner controllers and related system requirements.

Installing VRS includes the step-by-step VRS installation and license activation procedure.

Testing Your VRS Installation describes how to test your VRS installation with an ImageControls-based application, an ISIS application, and a TWAIN application.

Installing an Adrenaline SCSI Scanner Controller explains how to install a Kofax Adrenaline SCSI scanner controller. This chapter also explains how to test your scanner controller.

Removing VRS explains how to remove VRS and related components.

Scanner Configuration Utility gives an overview of the Kofax Scanner Configuration Utility, which is used to configure scan and image device sources, and set VRS default scanners.

VRS Non-Interactive Mode explains how to switch VRS from non-interactive mode to interactive mode.

Using VCDemo gives an overview of VCDemo, a demonstration application that is included in every VRS and Adrenaline SCSI scanner controller installation.

Related Documentation

The *VRS Installation Guide* is just one piece in the VRS documentation set. Your VRS product package also includes related documentation, as outlined in this section.

VRS User's Guide

The *VRS User's Guide* includes instructions for using VRS and explains the product features in detail. The guide is intended for all potential scan operators, regardless of their scanning expertise. This guide is available in PDF format from the VRS user interface and also from your installation CD.

VRS Online Help

The online Help provides on-screen assistance with the VRS product. You can access the online Help by pressing F1 from the VRS user interface, or by selecting “VRS Help” from the Help menu in the VirtualReScan Interactive Viewer.

VRS Release Notes

Late-breaking product information is available from the *VRS Release Notes*. Read the release notes carefully, as they contain information that may not be available in the other VRS documentation.

Training

Kofax offers both classroom and computer-based training that will help you make the most of your Kofax solution. Visit the Kofax Web site at www.kofax.com for complete details about the available training options and schedules.

Kofax Technical Support

For technical information about Kofax products, visit the Kofax Web site at www.kofax.com and select an appropriate option from the Support menu. The Kofax Support pages provide product-specific information, such as current revision levels, the latest drivers and software patches, online documentation and user guides, updates to product release notes (if any), technical tips, and an extensive searchable knowledgebase. You can find VRS FAQs on the VRS Support pages.

The Kofax Web site also contains information that describes support options for Kofax products. Please review the site for details about the available support options.

If you need to contact Kofax Technical Support, please have the following information available:

- VRS version and build number
- Scanning application software version
- Operating system and service pack version
- Scanner make and model
- SCSI scanner controller (if applicable)
- Special/custom configuration or integration information

Introduction

VirtualReScan (VRS) is an image enhancement tool intended to provide the best possible image quality across the widest range of document types. VRS works hand-in-hand with your scanning application and scanner to ensure that every scanned image meets your quality standards. Through instant detection of poor image quality, VRS performs automatic image enhancements. VRS provides a set of interactive adjustment controls to eliminate guesswork with easy, real-time image correction.

This guide gives you important information about installing and testing VRS:

- System requirements that must be met to ensure a successful VRS installation
- Background information that will help you during the VRS installation process
- Step-by-step instructions that walk you through the VRS installation procedure
- Procedures for testing VRS with your scanning application

Additionally, this guide explains how to install and test an Adrenaline SCSI scanner controller on your computer. This SCSI controller includes scanner drivers and offers improved scanning throughput and image processing functions. Adrenaline controllers support scanning applications based on an ImageControls toolkit, an ISIS programming interface, or a TWAIN programming interface.

Before installing VRS or an Adrenaline SCSI scanner controller, you should review this chapter to familiarize yourself with important background information and details about system requirements.

Using VRS with Your Scanner

The VRS license categories are based on support for feature sets (VRS Basic and VRS Professional), as well as scanner throughput (pages per minute or *ppm*). VRS can be used with a wide range of certified scanners that accommodate different levels of throughput.

Table 1. VRS License Categories

License	Description
VRS Basic	Supports basic VRS features; used primarily with certified scanners with throughput up to 40 ppm.
VRS Professional for Desktop Scanners	Supports basic VRS features, VRS Professional features, and certified scanners with throughput up to 25 ppm.
VRS Professional for Workgroup Scanners	Supports basic VRS features, VRS Professional features, and certified scanners with throughput from 25 to 50 ppm. Also supports the Adrenaline Image Processing Engine (AIPE) with Enhanced Bar Code features (for details, refer to <i>Using VRS with the Adrenaline Image Processing Engine</i> on page 6).
VRS Professional for Production Scanners	Same as VRS for Workgroup Scanners, with additional support for scanner throughput that exceeds 50 ppm.

VRS Professional Features

In addition to the basic features that are available with every VRS installation, an extended set of VRS “Professional” features is available to users who have the appropriate license.

Users who have a Desktop, Workgroup, or Production class license have access to VRS Professional features; users with a Basic license have the option of previewing VRS Professional features by selecting Tools | Enable Professional Features Demo from the VirtualReScan Interactive Viewer. While the VRS Professional Features Demo is enabled, users can take advantage of the Professional features and a Kofax logo is stamped on all scanned images. For more information about the VRS Basic and VRS Professional feature sets, refer to the *VRS User’s Guide* or the VRS online Help.

VRS Scanners: Certified vs. Non-Certified

When a scanner is certified for VRS, it goes through a rigorous testing process during which the best default settings are identified and selected. For this reason, we recommend that you use VRS only with certified scanners. Also, Kofax Technical Support is available only for VRS-certified scanners. You can use the VRS product page on the Kofax Web site at www.kofax.com to view the list of VRS-certified scanners. In addition to listing the scanner name and manufacturer, the VRS product page includes the following information:

- Driver used for VRS (TWAIN, ISIS, or Kofax SCSI)
- Black or white background support
- Additional memory required for optimal performance (if applicable)
- Interface certified by VRS (SCSI, USB, or FireWire)

VRS is capable of working with some non-certified or “compatible” scanners, if they have been configured with the Scanner Configuration Utility. It is important to be aware that you may experience less than optimal image quality when using a non-certified scanner with VRS. Not every scanner can be used with VRS. To be compatible with VRS, a non-certified scanner must meet the following requirements:

- Ability to output a 256-level grayscale image as a single image
- TWAIN driver or ISIS driver support

Note While VRS works best with an ISIS driver, it also supports some scanners with TWAIN drivers.

To use a non-certified scanner with VRS, you should install the VRS software according to the instructions in this guide. When prompted to select a scanner during the VRS installation, select the check box labeled “I will configure my scanner later.” In order to make your scanner available to VRS, you will need to install the scanner driver, and then use the Scanner Configuration Utility to create a source. After completing the VRS installation, refer to *Scanner Configuration Utility* on page 77 for more information.

VRS Component Installers

During the VRS installation process, you are prompted to select the name of your scanner from a list of certified scanners. The VRS installer uses the name of the certified scanner to identify the appropriate drivers to install. Because the list of VRS-certified scanners is updated on a continual basis, some scanners may not be certified in time to be published in the list that is presented during the installation process. Drivers for these unlisted certified scanners are made available as “VRS Component Installers,” which you can download from the Kofax Web site after completing the VRS installation process. To locate the appropriate VRS Component Installer for your scanner, refer to the Downloads Library, which is available from the Support pages on the Kofax Web site.

If you require a VRS Component Installer, complete the VRS installation process according to the instructions in this guide (refer to *Install the VRS Software* on page 14). When prompted to select a scanner, select the “I will configure my scanner later” check box. After the installation is finished, check the Kofax Web site to locate and download the VRS Component Installer update with the drivers required for your scanner.

VRS Component Installers are available only for scanners that have been certified for use with VRS. Non-certified scanners can be used with VRS if they meet the requirements outlined in *VRS Scanners: Certified vs. Non-Certified* on page 3.

Using VRS with the Adrenaline Image Processing Engine

The VRS for Workgroup Scanners license and the VRS for Production Scanners license both support the Adrenaline Image Processing Engine (AIPE), which offers image processing features such as standard bar code reading, forms recognition, line removal, and much more. As an option, Enhanced Bar Code recognition is also available with AIPE. Refer to the *Enhanced Bar Code Engine* appendix in the *VRS User's Guide* for more information.

Administrator Rights

The user who performs the VRS or Adrenaline scanner controller installation must have Administrator rights. Before starting the installation, make sure that you are logged in under an Administrator account. Administrator rights are required only during the installation process. You can use either VRS or an Adrenaline scanner controller successfully without logging in under an Administrator account.

Some Domain Administrator accounts prevent you from accessing certain folders and/or registry entries on the local computer. Make sure that your Administrator account gives you the same level of folder and registry access as a Local Administrator account.

Note While logged in as an Administrator, you may encounter some restrictions if a Group Policy is in place, or if your antivirus software is configured for maximum protection.

System Requirements

Before installation, ensure that your computer meets the minimum requirements. Using the recommended requirements will help to assure optimal performance.

Minimum Requirements

- Pentium 4, 1.4 GHz processor
- 256 Mbyte RAM
- Hard drive with 300 Mbyte free disk space for installation
- Monitor resolution: 800 x 600
- Microsoft Internet Explorer 5

Recommended Requirements

- Pentium 4, 2.0 GHz processor
- 512 Mbyte RAM for color
- Hard drive with 300 Mbyte free disk space for installation
- Monitor resolution: 1024 x 768
- Microsoft Internet Explorer 6

Note If Microsoft .NET Framework 1.1 (or higher) does not exist on your computer, the VRS installer will install version 1.1 for you. To check for additional information related to system requirements, visit the Support pages on the Kofax Web site at www.kofax.com.

TWAIN and ISIS Considerations

All VRS scanners are supported by either TWAIN or ISIS drivers. Although some of these scanners will work with both TWAIN and ISIS drivers, only the driver that works best with VRS will be certified and supported. If your scanner is certified with a TWAIN driver, refer to *TWAIN Installations* on page 45 and follow the instructions that apply to your scanner. It is not necessary to install an ISIS driver, as VRS includes all the necessary ISIS software to control the certified scanners. For details, visit the Support pages on the Kofax Web site.

USB and FireWire Considerations

Some VRS scanners are supported by a USB or FireWire interface. If your scanner requires a USB or FireWire interface, there may be specific installation instructions that apply to your scanner. Refer to *USB and FireWire Installations* on page 46 for more information.

PCI Slot Requirements

Before installing an Adrenaline SCSI scanner controller, make sure that your computer includes a PCI slot that meets the following requirements:

- 5 Volt PCI slot that can accommodate the length of the controller (175 mm)
This short length is not the same as the Low Profile PCI (LPPCI) specification.
- 32-bit transfer connector (minimum)
A 64-bit transfer connector may be used, as long as it uses 5 Volt signaling.

Peripheral Support

To be properly supported by Kofax, your scanner must be certified to work with the Adrenaline 450/650/650i SCSI scanner controller. To determine if your scanner is a certified device, use the Kofax Scanner Configurator.

► **To access the Kofax Scanner Configurator**, visit the Kofax Web site at www.kofax.com and select the Scanner Configurator link.

Certified Operating Systems

VRS has been certified to work on the following operating systems:

- Windows XP Professional, SP2
- Windows 2000 Professional, SP4

You can consult the Kofax Web site for updated information related to operating systems and service packs.

Certified Interfaces

USB, SCSI, and FireWire interfaces are certified with VRS.

Certified SCSI Scanner Controllers

You can consult the Kofax Web site for updates to VRS-supported SCSI scanner controllers.

Installation Scenarios

If you currently have VRS 3.5 (or higher) installed, you can successfully upgrade to VRS 4.1 without removing your existing installation. If your current VRS installation is a version released prior to VRS 3.5, you must upgrade to VRS 3.5 before upgrading to VRS 4.1. If necessary, do one of the following to verify your existing VRS version:

- VRS 3.5 or earlier – Select the About tab from the VRS Interactive Properties dialog box.
- VRS 4.0 – Select Help | About from the VirtualReScan Interactive Viewer menu bar.

For more information about removing VRS, refer to *Removing VRS* on page 69. For details about upgrading your VRS 3.5 or VRS 4.0 installation, refer to the *VRS Release Notes*.

VRS and Ascent Capture

VRS 4.x is installed “silently” as part of all Kofax Ascent Capture 7.x installations. Therefore, it is not necessary to install VRS separately if you have an Ascent Capture 7.x installation already in place. When installed silently with Ascent Capture, VRS does not appear on the “Currently installed programs” list in the Add or Remove Programs utility.

For details about the Ascent Capture installation process, refer to the *Installation Guide for Ascent Capture and Ascent Capture Internet Server* and the *Ascent Capture Release Notes*.

Other Kofax Products

To get the most up-to-date information about installation of Kofax products, you can use the Scanner Configurator on the Kofax Web site. The Scanner Configurator can be used to determine if a particular combination of Kofax products is recommended. The Scanner Configurator does not list installation order, however. Refer to the documentation that accompanied your other Kofax product for installation instructions. See *Kofax Technical Support* on page x for information on how to contact Kofax if you need assistance in determining the proper installation order.

Introduction

This chapter explains the VRS installation sequence. The applicability of the steps in the sequence may vary slightly, according to your VRS license and the throughput supported by the scanner that you plan to use with VRS (refer to Table 1 on page 2). To verify your VRS license category, check the label on the outside of your VRS product package, or check the product information provided by Kofax at the time of online purchase.

Note The VRS installation procedure is also used to install the drivers and files required for an Adrenaline SCSI scanner controller.

Before you start the VRS installation process, gather the following:

- VRS installation CD (if applicable)
- VRS-certified scanner
- SCSI scanner controller and supporting documentation (if applicable)
- Kofax-certified scanner cable

Note To get detailed information about Kofax-certified scanner cables, you can select the Scanner Configurator link from the Kofax Web site at www.kofax.com.

Installation Sequence

You should complete the VRS installation sequence in this order:

- 1 Install the VRS software (page 14).
- 2 Install the SCSI scanner controller – if applicable (page 44).
- 3 Attach the scanner – if applicable (page 45).
- 4 Resolve the Found New Hardware Wizard Event – if applicable (page 49).
- 5 Install the scanning application (page 50).

Install the VRS Software

This section explains how to install the VRS 4.1 software. If you currently have VRS 3.5 or VRS 4.0 installed, you can successfully upgrade to VRS 4.1 without removing the existing instance of VRS. If you have an earlier VRS version, you will need to upgrade to VRS 3.5 before upgrading to VRS 4.1. For additional guidelines, refer to *Installation Scenarios* on page 10 and to the *VRS Release Notes*, which are available in your product package or from the Kofax Web site.

If you are installing an Adrenaline SCSI scanner controller, use the VRS installation procedure in this section in order to install the required drivers and files on your computer. Once you complete the installation process, refer to *Installing an Adrenaline SCSI Scanner Controller* on page 65.

► To install the VRS software

- 1 Close all applications on the computer where you want to install VRS and make sure that you are logged in as a user with Administrator rights.

Note Some Domain Administrator accounts prevent you from accessing certain folders and/or registry entries on the local computer. Make sure that your Administrator account gives you the same level of folder and registry access as a Local Administrator account.

2 Do **one** of the following:

- Insert the VRS installation CD in the appropriate drive. The CD supports AutoPlay, so the installation will automatically start (if it does not start, run setup.exe from the root folder of the installation CD).
- Navigate to the folder to which you downloaded the VRS installation after purchasing the product online, and then run setup.exe.

The VRS installation will begin.

If the installer checks your computer and detects that Microsoft .NET Framework 1.1 (or higher) does not exist, version 1.1 will be installed automatically. If Microsoft .NET Framework 1.1 (or higher) does exist on your computer, the installer will continue to the next phase of the installation process.

Note If Microsoft .NET Framework 1.1 is installed during the VRS installation process, and you later cancel without completing the entire installation, Microsoft .NET Framework 1.1 will remain intact and the VRS components will be removed.

- 3 The Welcome screen will display (Figure 1).

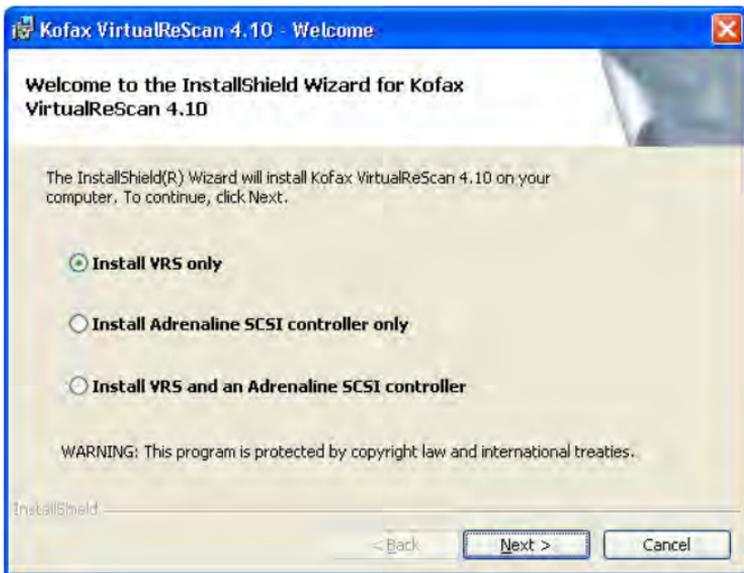


Figure 1. VirtualReScan Welcome Screen

Select **one** of the installation options:

- Install VRS only
- Install Adrenaline SCSI controller only
- Install VRS and an Adrenaline SCSI controller

- The User Identification screen will display (Figure 2). If you selected “Install Adrenaline SCSI controller only” from the previous screen, the User Identification screen will not display during the installation process.

User Identification
Please enter your user information.

Name: User 1

Company: ABC Company

Email: User1@ABC.com

Please do not contact me with product-related information.

InstallShield

< Back Next > Cancel

Figure 2. User Identification Screen

If you intend to install VRS in demonstration mode, you can click Next to bypass this screen. For more information, refer to *Demonstration Mode* on page 32.

From the User Identification screen, do the following:

- a** Enter your name, company name, and email address.
 - b** If you do not want to receive Kofax product information via email, select the check box.
 - c** Click Next.
- 5** The Product Information screen will display (Figure 3). If you selected “Install Adrenaline SCSI controller only” from the Welcome screen, the Product Information screen will not display.

The screenshot shows a Windows-style dialog box titled "Kofax VirtualReScan 4.10 - InstallShield Wizard". The main heading is "Product Information" with a sub-instruction "Please enter your information." Below this, a paragraph explains that the required information is on a pre-printed label sheet or from the Kofax website. There is a checkbox for upgrading from VRS 3.50 to VRS 4.10 Basic. Below the checkbox are three input fields: "Part number:" (with three small boxes separated by dashes), "Serial number:" (a single long box), and "Product code:" (a single long box). At the bottom, there are three buttons: "< Back", "Next >", and "Cancel". The "InstallShield" logo is visible in the bottom left corner of the dialog area.

Figure 3. Product Information Screen

The information that you need to fill out this screen is available from a pre-printed label sheet (Figure 4) that is included in your VRS product box. If you purchased the product online, the information is issued from the Web site and also sent via email at the time of purchase.



Figure 4. Sample Product Information Label

- 6 If you are upgrading from VRS 3.5 to VRS 4.1 with a Basic license, select the check box and then click Next. Otherwise, continue to the next step.
- 7 If you did not select the check box in the previous step, do **one** of the following:
 - Enter the VRS 4.1 part number, serial number, and product code, as provided on the license label sheet in your product box (Figure 4) or as provided at the time of online purchase. Click Next.
 - If you intend to install VRS in demonstration mode, leave the entries blank and click Next to bypass the Product Information screen. In this case, click “Continue” when the confirmation prompt displays, to indicate that you are intentionally bypassing the screen.

Note Please keep the VRS label sheet or product information in a safe location for future reference.

- 8 The Destination Folder screen will display (Figure 5).

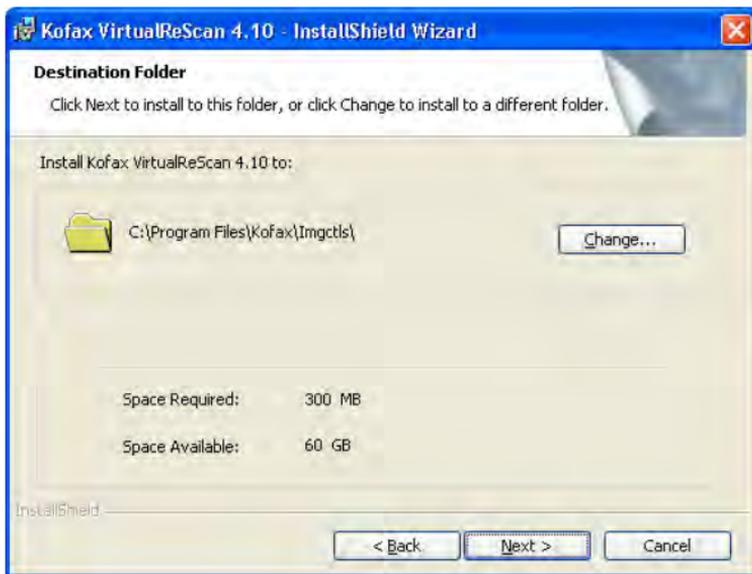


Figure 5. Destination Folder Screen

The installer analyzes your system for the amount of space available on the default drive and lists the Space Required and Space Available values below the destination folder information.

Accept the default installation folder, which typically is C:\Program Files\Kofax\Imgctl, or click Change to navigate to another location. Your default destination folder may differ from the one described here.

- 9 Click Next to confirm the installation folder. If there is not enough disk space to continue the installation, you will be notified. In this situation, click OK to clear the message. Then click Cancel and Exit Setup from the subsequent screens to cancel the VRS installation. Once you have created more disk space, restart the VRS installation.

10 The Certified Scanners screen will display (Figure 6).

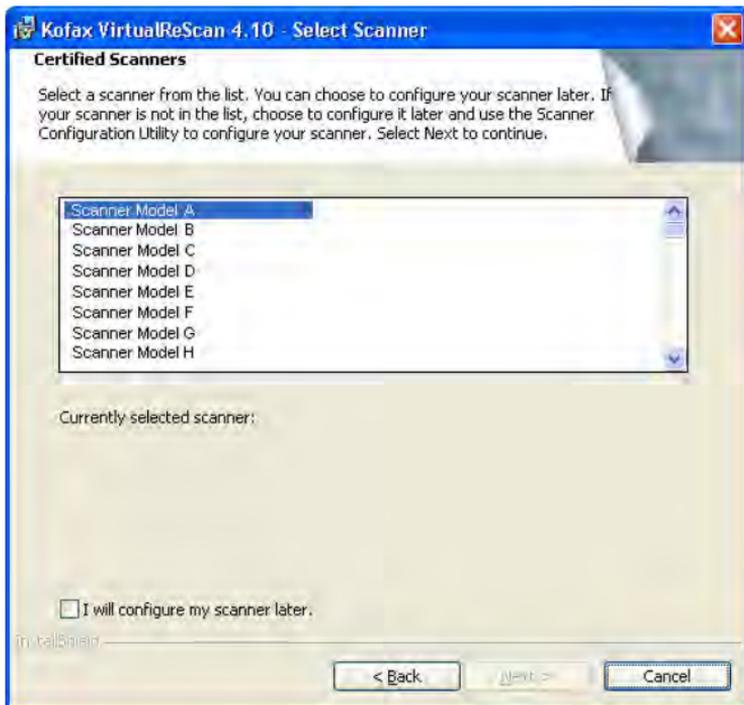


Figure 6. Certified Scanners Screen

Do **one** of the following:

- Select your VRS-certified scanner from the list, and then it will display as the “Currently selected scanner.” Click Next.
- Select the “I will configure my scanner later” check box if you plan to download a VRS Component Installer for a VRS-certified scanner that does **not** appear on the list, and then click Next. For more information, refer to *VRS Component Installers* on page 5.
- Select the “I will configure my scanner later” check box if you plan to use VRS or your Adrenaline scanner controller with a non-certified scanner, and then click Next. When using a non-certified scanner, you will need to use the Kofax Scanner Configuration Utility to configure the scanner to work with VRS or the Adrenaline controller. For more information, refer to *Scanner Configuration Utility* on page 77.

Note In a limited number of cases, two versions of the same scanner appear on the Certified Scanners list, with one of them designated for “non-interactive mode.” Non-interactive mode is the appropriate selection if you want to run VRS in the background. When non-interactive mode is in effect, you cannot see or use the VRS user interface while documents are being scanned. For more information, refer to *VRS Non-Interactive Mode* on page 83.

- 11** You will be notified when the installation process is ready to begin. If you want to revise any settings before proceeding with the installation, click Back to return to the previous screens. Otherwise, click Install to proceed with the installation process.

A confirmation message, followed by a series of update messages, will display while the installation is in progress.

- 12 If you have Windows XP, a compatibility message may appear if you selected an installation option that includes an Adrenaline SCSI scanner controller. If the message appears, click “Continue Anyway” to clear the message and proceed to the next step.

Note If you do not click “Continue Anyway,” the compatibility message will clear on its own after a short pause.

- 13 You will be notified when the VRS installation process is finished. Click Finish to end the installation process and clear the notification message.
- 14 If prompted, select the option to restart your computer now, and then click Finish. Do not remove the VRS installation CD until the computer has been restarted, because it is possible that scanner drivers may be installed after the computer restarts. The scanner driver installation process may vary, according to the scanner you selected earlier in the installation procedure.

- 15 The Activate VRS dialog box will display (Figure 7) if your product license supports VRS Professional features, or if you selected “I am upgrading from VRS 3.5 to VRS 4.10 Basic” from the Product Information screen.

Activate VRS

User Identification

Name: User 1

Company: ABC Company

Email: User1@ABC.com

Please do not contact me with product information.

Upgrade from VRS 3.5 to a 4.10 Basic license

Enter product identification for a license

Product Identification

Part Number: VP - 0000 - 0000 [More Info](#)

Serial Number: PA12349

Product Code: Q678T2VD

VRS Version: 4.10

Scanner: Scanner A

Machine ID: 000B-DBD3-3D7A

License Code

If you already have a license code, enter it here. [More Info](#)

[Get License Code](#)

[Activate](#) [Cancel](#) [Help](#)

Figure 7. Activate VRS Dialog Box

If you are upgrading from VRS 3.5 to a VRS 4.1 Basic license, the dialog box options will be grayed, and all you need to do is click Activate. To upgrade successfully, one of the following must be in place when you click Activate: VRS 3.5 hardware key (dongle) or a licensed Adrenaline 650i scanner controller.

In the following cases, the Activate VRS dialog box will *not* display during the installation process:

- You have a VRS Basic license, which does not support VRS Professional features. Instead, the Register VRS dialog box will display (refer to the steps that follow Figure 8 later in this procedure).
 - You bypassed the Product Information screen earlier in the installation process, because you intend to install VRS in demonstration mode.
 - You selected the “Install Adrenaline SCSI scanner controller only” at the beginning of the installation process.
- 16** In the User Identification section, the fields may be pre-populated with information supplied earlier in the VRS purchase or installation process. You can update the entries as appropriate.
- 17** Select the check box if you do not want to receive Kofax product information via email.
- 18** Select the option to “Enter product information for a license.”
- 19** In the License Code section, do **one** of the following:
- Click Get License Code to obtain a VRS license code, which will automatically display in the text entry field. To use this option successfully, you must have an active Internet connection and the preceding entries on

the dialog box must be filled out. A confirmation message will display once the license has been activated and the dialog box will close.

- Type the license code in the text entry field if the code is available to you. Click Activate to complete the license activation process. If the preceding entries and the license code are valid, a confirmation message will display.

If the installer is unable to connect to the VRS license server, the “Activate - No Internet Connection” dialog box will display. For instructions, refer to *Activating a VRS License Without an Internet Connection* on page 35.

- 20** If you activated a VRS Professional license in the previous step, the Check for Updates dialog box will display. For details, refer to *Checking for Product Updates* on page 51.
- 21** The Register VRS dialog box will display (Figure 8) if your product license supports VRS Basic features rather than VRS Professional features. The Register VRS dialog box will also display if you selected the option to install an Adrenaline SCSI scanner controller without VRS.

Register VRS

User Identification

Name: User 1

Company: ABC Company

Email: User1@ABC.com

Product Identification

Part Number: VP - W000 - 0000

Serial Number: DPOPERW

Product Code: BA86L0000

VRS Version: 4.10.025

Scanner: Scanner A

Machine ID: 000B-D8D3-0000

Why Register? Register Now Skip Registration

Figure 8. Register VRS Dialog Box

- 22** Under User Identification, you can update the following entries, which may be pre-populated with information supplied earlier in the VRS installation process:
- Name: Enter your full name.
 - Company: Enter the name of your company.
 - Email: Enter your email address.
- 23** Under Product Identification, the entries are pre-populated, based on existing VRS installation information. You cannot update these entries.

- 24** Do **one** of the following:
- a** Click Why Register to open a dialog box that explains the benefits of VRS product registration. Once the dialog box is open, click OK to exit.
 - b** Click Register Now to complete the license registration process. If the preceding entries and the license code are valid, a confirmation message will display. If VRS is unable to connect to the license server to activate the license, the Register - No Internet Connection dialog box will display. For instructions, refer to *Registering a VRS Basic License Without an Internet Connection* on page 40.
 - c** Click Skip Registration to bypass the registration process. If you select this option, you will be prompted to confirm the decision. Click Yes or No, as appropriate.
- 25** If applicable to your situation, proceed with the download process for a VRS Component Installer, which is required if **both** of the following apply:
- You plan to use a VRS-certified scanner that did not appear on the scanner list presented earlier in the VRS installation process.
 - You selected the “I will configure my scanner later” check box during the VRS installation procedure.

Note To check on the availability of a VRS Component Installer for your scanner, select the Downloads Library link from the Kofax Web site Support pages. For more information, refer to *VRS Component Installers* on page 5.

- 26** If applicable, remove the installation CD and store it in a safe place.

Post-Installation License Activation / Registration

Depending upon your license type, you are prompted during the installation process to either activate (VRS Professional) or register (VRS Basic) your license. If activation or registration is not completed during the VRS installation process, you can follow the instructions in this section to do so afterward. If you have a VRS Professional license, refer to the next section. If you have a VRS Basic license, refer to *Registering a VRS Basic License After Installation* on page 38.

Activating a VRS Professional License After Installation

If you install VRS Professional without activating the license, VRS will run in either demonstration mode or evaluation mode and a reminder will display each time that you start VRS. VRS runs in demonstration mode if you have not purchased the product yet. In demonstration mode, you have full access to VRS functionality, but the Kofax logo is stamped on all scanned images. VRS runs in evaluation mode if you have purchased a product license that has not yet been activated.

Demonstration Mode

When you run VRS in demonstration mode, a reminder message appears each time that you select VRS to indicate that scanned images will be stamped with the Kofax logo (Figure 9).

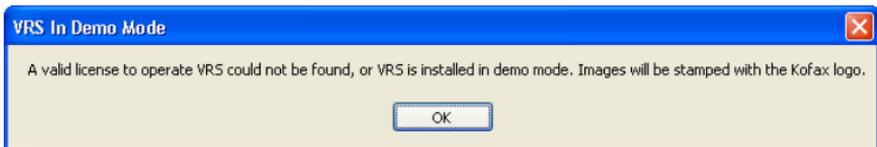


Figure 9. VRS Demonstration Mode Reminder

Evaluation Mode

When you run VRS Professional in evaluation mode, a reminder message appears each time that you select VRS (Figure 10). In this mode, VRS is fully functional for a specific number of days, as listed on the dialog box. When the evaluation period expires, VRS will switch to demonstration mode if the license has not been activated.

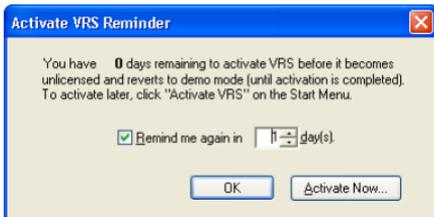


Figure 10. Activate VRS Reminder Dialog Box

► To activate a VRS Professional license

- 1 Do **one** of the following:
 - From the Activate VRS Reminder dialog box, click Activate Now.
 - From the Windows Start menu, navigate to the Kofax VRS program folder and select Activate VRS.

Note If VRS is running in demonstration mode, you cannot activate a VRS license unless the product has been purchased. To purchase the product online, you can select the Buy Now option from the Kofax VRS program folder. For more information, refer to the VRS online Help.

- 2 The Activate VRS dialog box will display (Figure 11).

Activate VRS

User Identification

Name: User 1

Company: ABC Company

Email: User1@ABC.com

Please do not contact me with product information.

Upgrade from VRS 3.5 to a 4.10 Basic license

Enter product identification for a license

Product Identification

Part Number: VP - 0000 - 0000 More Info

Serial Number: PA12349

Product Code: Q678T2VD

VRS Version: 4.10

Scanner: Scanner A

Machine ID: 000B-DBD3-3D7A

License Code

If you already have a license code, enter it here: More Info

Get License Code

Activate Cancel Help

Figure 11. Activate VRS Dialog Box

- 3 The User Identification and Product Identification sections may be already filled in, based on entries made during the VRS installation process. If desired, you can update the entries and select the check box if you do not want to

receive Kofax product information via email. If either section is blank, you should fill in the required information. To locate the information required for the Product Identification section, refer to page 19.

4 Do one of the following to enter the license code:

- If you do not have a license code, click Get License Code to automatically obtain the license code from the Kofax license server. If your Internet connection is not working, you will not be able to receive the code. In that case, the Activate - No Internet Connection dialog box will display. Refer to the next section for instructions on how to obtain the license code without a working Internet connection.
- If you have obtained the VRS license code from another source, enter it in the text box and click Activate.

A confirmation dialog box will display, indicating that the license activation process was successful.

Activating a VRS License Without an Internet Connection

If an Internet connection is not available when you click Get License Code from the Activate VRS dialog box, you will have to use an alternate method to obtain the required license code. In this case, the Activate - No Internet Connection dialog box will display (Figure 12) and list the options that are available to you.

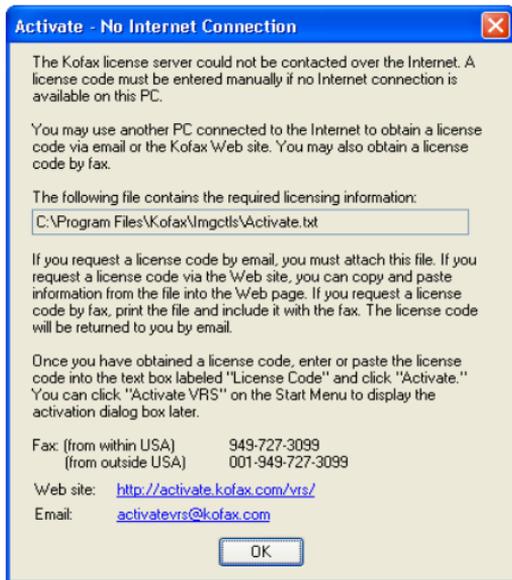


Figure 12. Activate - No Internet Connection Dialog Box

► To activate your license without an Internet connection

- 1 When the Activate - No Internet Connection dialog box displays, review the on-screen instructions that explain the three methods for obtaining a license code without an Internet connection. Whichever method is selected, you will need to provide the license information contained in the file Activate.txt,

which you can locate by using the path shown on the Activate - No Internet Connection dialog box.

- 2 Click OK to close the Activate - No Internet Connection dialog box.
- 3 Select **one** of the following methods to contact Kofax for the purpose of starting the VRS license activation process:
 - From another computer with a working Internet connection, send an email request to activatevrs@kofax.com. You must attach the Activate.txt file to the email message. The path to the file is listed in the Activate - No Internet Connection dialog box.
 - From another computer with a working Internet connection, launch the browser and open to <http://activate.kofax.com/vrs>. During the activation process, you will need to copy information from the Activate.txt file and paste it into the form on the Web site. The path to the file is listed in the Activate - No Internet Connection dialog box.
 - Send a request to Kofax using one of the fax numbers shown in the dialog box. You should print a copy of the Activate.txt file and include it in your fax message. The path to the file is listed in the Activate - No Internet Connection dialog box.

Note Unless you specify otherwise, Kofax will send the license code to the email address that is specified in the Activate.txt file.

- 4 Once you obtain the license code from Kofax, enter it into the License Code section of the Activate VRS dialog box and click Activate.

Registering a VRS Basic License After Installation

If you have a VRS Basic product license, you will be prompted to register it during the installation process. If you skip the registration process during the installation, you can use the procedure in this section to perform post-installation registration. License registration makes you eligible for technical support and entitles you to receive product information updates.

► To register your VRS Basic license

- 1 From the Start menu, navigate to the Kofax VRS folder and click Register VRS.
- 2 The Register VRS dialog box will display (Figure 13).

Register VRS

User Identification

Name: User 1

Company: ABC Company

Email: User1@ABC.com

Product Identification

Part Number: VP - W000 - 0000

Serial Number: DPQPERW

Product Code: BA86L0000

VRS Version: 4.10.025

Scanner: Scanner A

Machine ID: 000B-DBD3-0000

Why Register? Register Now Skip Registration

Figure 13. Register VRS Dialog Box

- 3 Under User Identification, you can update the following entries, which may be pre-populated with information supplied earlier in the VRS installation process:
 - Name: Enter your full name.
 - Company: Enter the name of your company.
 - Email: Enter your email address.
- 4 Under Product Identification, the entries are pre-populated, based on existing VRS installation information. You cannot update these entries.
- 5 Do **one** of the following:
 - a Click Why Register to open a dialog box that explains the benefits of VRS product registration. Once the dialog box is open, you can click OK to exit.
 - b Click Register Now to complete the license registration process. If the preceding entries and the license code are valid, a confirmation message is displayed. If VRS is unable to connect to the license server to activate the license, the Register - No Internet Connection dialog box will be displayed. For instructions, refer to the next section.
 - c Click Skip Registration to bypass the registration process. If you select this option, you will be prompted to confirm the decision. Click Yes or No, as appropriate.

Registering a VRS Basic License Without an Internet Connection

If an Internet connection is not available when you click Register Now from the Register VRS dialog box, you will have to use an alternate method to register the product. In this case, the Register - No Internet Connection dialog box (Figure 14) will display and list the options that are available to you.



Figure 14. Register - No Internet Connection Dialog Box

► To register a VRS Basic license without an Internet connection

- 1 When the Register - No Internet Connection dialog box displays, review the on-screen instructions that explain the three methods for registering the

product without an Internet connection. Whichever method is selected, you will need to provide the information contained in the file Register.txt, which you can locate by using the path shown on the Register - No Internet Connection dialog box.

- 2 Click OK to close the Register - No Internet Connection dialog box.
- 3 Select **one** of the following options to register the license without an Internet connection:
 - Send a request to Kofax using one of the fax numbers in the dialog box. You should print a copy of the Register.txt file and include it in your fax message. The path to the file is listed in the Register - No Internet Connection dialog box.
 - From another computer with a working Internet connection, launch the browser and open to <http://activate.kofax.com/vrs>. During the registration process, you will need to copy information from the Register.txt file and paste it into the form on the Web site. The path to the file is listed in the Register - No Internet Connection dialog box.
 - From another computer with a working Internet connection, send an email request to activatevrs@kofax.com. You must attach the Register.txt file to the email message. The path to the file is listed in the Register - No Internet Connection dialog box.

Upgrading Your VRS License

If you have a licensed VRS 4.1 installation, you can use the Upgrade Now option to purchase and activate a higher VRS license. For example, you may wish to upgrade to a VRS Professional license from a Basic license. If you already have a VRS Professional license, you may wish to upgrade to a different VRS Professional license level that supports expanded functionality or scanners with increased throughput.

► To upgrade your VRS installation

- 1 From the Start menu, navigate to the Kofax VRS program folder and select Upgrade Now. The Upgrade VRS dialog box will display (Figure 15).

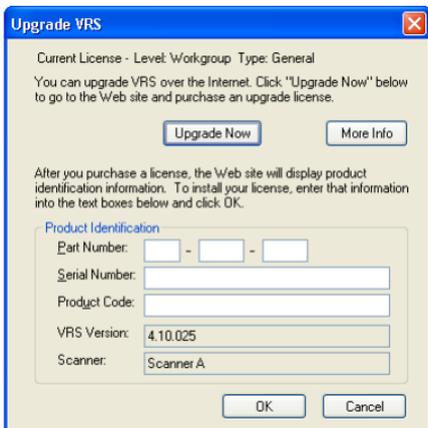


Figure 15. Upgrade VRS Dialog Box

- 2 From the Upgrade VRS dialog box, click Upgrade Now to launch your Internet browser and open to a Web site from which the VRS product license upgrade can be purchased.
- 3 Follow the instructions on the Web site to complete the purchase transaction.
- 4 Once the transaction is completed, you will be issued a receipt that includes information to copy into the Product Identification section of the Upgrade VRS dialog box. The following product information will be available from the Web site, and it will also be sent to you via email:
 - Part Number
 - Serial Number
 - Product Code
- 5 Copy the product information into the Upgrade VRS dialog box, and then click OK.
- 6 The Activate VRS dialog box will display with some information already filled in. You will need to click the Get License Code button. A confirmation message will display once the license has been activated and the dialog box will close.

Once the license is activated, you will be able to use VRS according to the terms of the new license.

Install the SCSI Scanner Controller

This section describes how to install a SCSI scanner controller in your computer. If you will not be using a SCSI scanner controller, skip this section and proceed to *Attach the Scanner* on page 45.

► To install the SCSI scanner controller

- 1 Shut down your computer and unplug the power cord.

Note Before unplugging the power cord, consult the manufacturer's recommendations for preventing an ESD (electrostatic discharge) event.

- 2 Do **one** of the following:
 - For a Kofax Adrenaline 450, 650, or 650i SCSI scanner controller, refer to *Installing an Adrenaline SCSI Scanner Controller* on page 65.
 - For a non-Kofax SCSI scanner controller, install it in your computer according to the instructions supplied by the manufacturer.
- 3 Once the SCSI scanner controller has been installed, plug in the power cord and start your computer.
- 4 If you have Windows XP, a compatibility message will appear. Click "Continue Anyway" to clear the message and proceed to the next step.
- 5 Right-click on My Computer. Select Properties | Hardware | Device Manager.
- 6 Once the list of devices appears, select SCSI and RAID Controllers and expand the node to verify that the name of your SCSI scanner controller appears. For Kofax SCSI scanner controllers, the name will be listed as "Kofax Adrenaline <450/650/650i>."

Attach the Scanner

Your scanner may already be attached to your computer. If not, you can follow the procedure in this section to ensure that the scanner and computer are properly connected. Verify that you are using a Kofax-certified scanner cable. If necessary, you can select the Scanner Configurator from the Kofax Web site at www.kofax.com to verify that you have the appropriate scanner cable.

► To connect the scanner to your computer

- 1 Make sure to turn off the scanner and computer and unplug the power cord for both.
- 2 Attach the scanner cable to the scanner and to the appropriate port (SCSI, USB, or FireWire) on your computer.
- 3 Plug in the power cord for your scanner and start it.
- 4 Plug in the power cord for your computer and then start it. Windows may launch the Found New Hardware Wizard. If so, proceed to *Resolve the Found New Hardware Wizard Event* on page 49 and follow the instructions. Otherwise, VRS will be ready to use once your scanning application is installed.

TWAIN Installations

To install the TWAIN driver for a VRS-certified scanner, follow the manufacturer-provided TWAIN driver installation instructions for your scanner. The TWAIN driver can be installed before or after the VRS software installation. To install a non-certified (compatible) VRS scanner, refer to *VRS Scanners: Certified vs. Non-Certified* on page 3.

USB and FireWire Installations

This section covers the general procedure for installing and configuring USB or FireWire scanners with VRS. You should also refer to the manufacturer-provided installation instructions because some scanners have unique requirements.

► To install and configure USB or FireWire scanners

- 1 Do **one** of the following, as applicable:
 - Plug in the USB cable from your scanner to the USB port on your computer.
 - Plug in the FireWire cable from your scanner to the FireWire port on your computer.

Windows will detect the device and launch the New Hardware Found wizard.

- 2 Follow the on-screen instructions to locate the necessary driver on the installation CD supplied with your scanner.
- 3 Verify that the scanner is installed correctly. Refer to *Verify the Scanner Connection* on page 47.
- 4 Review the *Post USB/FireWire Driver Installation Procedure* below.
- 5 Install your scanning application. Refer to *Install the Scanning Application* on page 50.

Post USB/FireWire Driver Installation Procedure

Some scanners are designed to perform particular actions when certain events occur. For example, some scanners are set to automatically launch the Microsoft scanning or imaging application when paper is inserted into the automatic document feeder. For best results, disable all such device events before installing and using VRS.

► To disable device events

- 1 From the Windows Start menu, select Control Panel | Scanners and Cameras.
- 2 Select your scanner from the list of installed devices, and then right-click to select Properties from the shortcut menu.
- 3 From the scanner properties dialog box, select the Events tab and then select a device event from the list of scanner events.
- 4 From the Actions list, select “Take no action.”
- 5 Repeat steps 3-4 until all unnecessary device events are disabled.

Note Clear the “Take no action” selection to restore a device event.

- 6 Click Apply, and then select OK to close the scanner properties dialog box.

Verify the Scanner Connection

Use this procedure to verify that your scanner is properly connected.

► To check the scanner connection status

- 1 From the Windows desktop, right-click on My Computer.
- 2 Select Manage.
- 3 From the left pane of the Computer Management console, double-click the Device Manager icon. The devices on your system will appear in the right pane.
- 4 Expand the “Imaging devices” node.

- 5 If your scanner appears under “Imaging devices,” it has been properly connected to your system. If your scanner is not listed as an imaging device, check the USB/FireWire cable connection or try restarting the computer. Then check again to see if the device is listed. If your scanner still is not connected, you may need to seek technical support assistance from your scanner manufacturer.
- 6 Close the Computer Management console.

Resolve the Found New Hardware Wizard Event

Use the procedure in this section to resolve the Found New Hardware Wizard event that may occur after you have attached the scanner to your computer.

- 1** When the Found New Hardware Wizard displays, select to install the software automatically and then click Next.
- 2** If the wizard is unable to detect the appropriate drivers and files, another screen will appear. In this case, select the option labeled “Don’t Prompt Me Again to Install This Software” and click Finish.
- 3** Select the option to restart your computer.

Alternatively, Windows 2000 users may use the following procedure:

- 1** When the Found New Hardware Wizard displays, insert the VRS installation CD in the appropriate drive, select to install the software automatically and then click Next to search for a driver.
- 2** Select the option to search CD-ROM drives.
- 3** Select the option to disable the device, click Finish to end, and then select the option to restart your computer.

Install the Scanning Application

Use the procedure in this section to install the scanning application that you plan to use with VRS.

Note If desired, you can perform low-volume scanning with Kofax VCDemo or Scan Demo, the ImageControls-based demonstration scanning applications that are available with every VRS installation. VCDemo is installed automatically when you install VRS. For more information about VCDemo, refer to *Using VCDemo* on page 85. Scan Demo is available from the VRS installation CD, or in the case of online purchase, from the installation folder.

► To install the scanning application

- 1 Install your ImageControls-based, TWAIN, or ISIS scanning application according to the manufacturer's instructions.
- 2 Scan some sample documents to ensure that the application is working properly.

Note If you are installing an ImageControls-based application in conjunction with other Kofax products, refer to “Installation Scenarios” on page 10.

Checking for Product Updates

VRS product enhancements are available to licensed users. You can check for and download product updates if you have an active VRS Professional product license and an Internet connection.

The VRS Update Manager is launched automatically at the end of the VRS installation and by default, every 6 weeks thereafter. When checking for product updates, you have two options:

- Check for product updates when the VRS Update Manager displays automatically at regularly scheduled intervals.
- Check for product updates at any time by manually launching the VRS Update Manager.

Note The Check for Updates feature is intended for VRS product updates. If you wish to check for VRS Component Installers, please visit the VRS product pages on the Kofax Support Web site at www.kofax.com.

Automatic Update Checking

By default, the VRS Update Manager is launched automatically every 6 weeks. As a result, you will be prompted to check for, download, and install VRS product updates if they are available. When automatic update checking is in effect, the VRS Update Manager will display the first time that your VRS-enabled scanning application closes after the scheduled interval.

By default, the VRS Update Manager is set to display automatically every 6 weeks, but you can use the Options dialog box to specify a different interval, such as every 2

weeks, every 3 weeks, etc. As another option, you can turn off automatic product update checking. When automatic update checking is in effect, the VRS Update Manager is launched at 8 a.m. on the specified day. If the computer is not operational at the designated day and time, the VRS Update Manager will be launched the next time the computer runs after the scheduled interval.

When automatic update checking is not in effect, the VRS Update Manager does not display unless you manually launch it. You can manually launch the VRS Update Manager from the Kofax VRS program folder. For more information about the settings on the Options dialog box, refer to the VRS online Help.

Manual Update Checking

You can launch the VRS Update Manager at any time by selecting the Check for Updates option from the Kofax VRS program folder. This option is useful if you have turned off periodic automatic update checking, or if you prefer to check for updates at unscheduled intervals.

Checking for, Downloading, and Installing Updates

When you select “Check Now” from the VRS Update Manager, it checks your computer for existing VRS software and presents a list of product updates that are not already installed. Each update item includes a description, file size, and typical download time (the actual time may vary). VRS product updates are cumulative. If more than one product update is listed, the most recent update will include all of the previous updates.

Note When you install a cumulative update, any existing cumulative VRS product updates will be removed before the new update is added.

Administrator rights are required to download and install a VRS product update.

You may decide to download a product update without installing it immediately. In this case, you should note the download location because when the VRS Update Manager is closed and reopened, it will not “remember” that the update was previously downloaded.

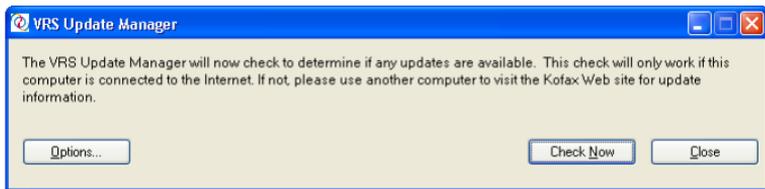


Figure 16. VRS Update Manager Dialog Box

► To check for, download, and install a VRS product update

- 1 Do **one** of the following:

Automatic Updates

- From the VRS Update Manager, click Check Now. The VRS Update Manager Available Updates dialog box will display.

Manual Updates

- From the Windows Start menu, navigate to the Kofax VRS program folder and select Check for Updates, and then click Check Now.
- 2 The availability of product updates will be noted on the VRS Update Manager Available Updates dialog box. Do **one** of the following:
 - Select the check box that corresponds to the product update that you want to download and install. Once you make a selection, any other product updates on the list will be grayed.
 - If no product update appears on the “Available updates” list, click Close to exit the VRS Update Manager.
 - 3 Click Download. A progress indicator will display during the download process. You will be informed when the process is complete, and the message will indicate the location of the downloaded update.

You can stop the download process at any time by clicking Cancel.

Note Administrator rights are required to download and install a product update.

- 4 Do **one** of the following:
 - Click Install to proceed with installation of the newly downloaded update. Follow the on-screen instructions.
 - Click Close to exit the VRS Update Manager without installing the downloaded update. In this case, you should note the download location so the update can be installed later. If you close and reopen the VRS Update Manager, it does not “remember” that the update was previously downloaded.

Removing Product Updates

When you install a VRS product update, it appears as a separate entry in the list of “Currently installed programs” in the Add or Remove Programs utility. If you remove a VRS product update, the base VRS installation remains intact. However, if you remove the base VRS installation, all associated product updates are automatically removed.

Testing Your VRS Installation

Introduction

Once VRS is installed, it is a good idea to test your installation. You may use VRS with any scanning application that is based on ImageControls, ISIS, or TWAIN. This chapter explains how to test VRS with three sample scanning applications: VCDemo (ImageControls-based), QuickScan Pro (ISIS-based), and Microsoft Office Document Scanning (TWAIN-based).

Testing VRS with an ImageControls Application

VCDemo is an ImageControls-based demonstration application. Follow the instructions in this section to test VRS with VCDemo, which is included automatically in every VRS installation. For more information, refer to *Using VCDemo* on page 85.

► To select VRS from VCDemo

- 1 Turn on your scanner and load the document that you want to scan.
- 2 Turn on your computer.
- 3 From the Start menu, navigate to the Kofax VRS program folder and start VCDemo.
- 4 From the Source menu, click Scanner. The Select Scan Source dialog box will display.
- 5 From the Source list, select the following scan source: <My Scanner > with SVRS, where <My Scanner> corresponds to the make and model of your scanner.

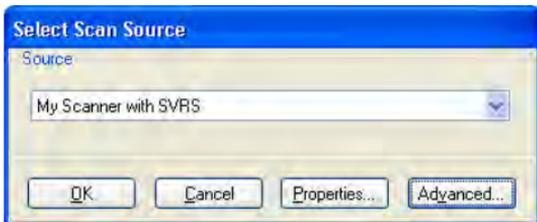


Figure 17. Select Scan Source Dialog Box – VCDemo

Note The choice of sources created at the time of installation will vary, according to the scanner you are using with VRS.

- 6 Click OK.

The VRS icon will display in your Windows taskbar (Figure 18).

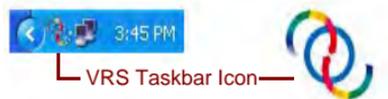


Figure 18. VRS Icon in Windows Taskbar

- 7 From VCDemo, select Source | Process Image, or Ctrl+I. If the scan completes successfully, you are ready to use VRS. For more information, refer to the *VRS User's Guide*, which is available in PDF format from the VRS Help menu and from the VRS installation CD or VRS installation folder.

Testing VRS with an ISIS Application

Use this procedure to test VRS with QuickScan Pro, which is an ISIS scanning application.

► To select VRS from QuickScan Pro

- 1 Turn on your scanner and load the document that you want to scan.
- 2 Turn on your computer.
- 3 Start QuickScan Pro.
- 4 From the Scan menu, click Select Scanner. The Scanner Selection dialog box will display.
- 5 From the Scanner Selection dialog box, select Kofax VRS Scanner and click OK.

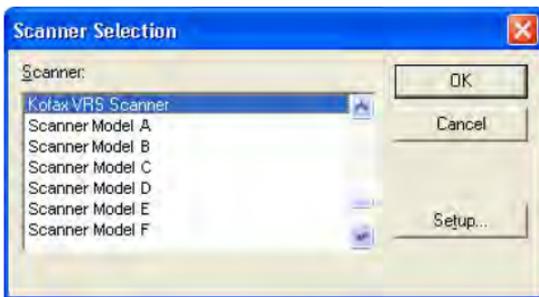


Figure 19. Selecting the Scan Source from QuickScan Pro

- 6 The VRS icon will display in the Windows taskbar to indicate that VRS is active (Figure 20).



Figure 20. VRS Icon in Windows Taskbar

- 7 From the Scan menu, select New Batch.
- 8 The Kofax VRS ISIS interface will be launched. Once you have selected a profile and other preferences, click Scan to proceed with the scanning session. If the scanning process completes successfully, you are ready to use VRS. For more information, refer to the *VRS User's Guide*, which is available in PDF format from the VRS Help menu and from the VRS installation CD or VRS installation folder.

Testing VRS with a TWAIN Application

Use the procedure in this section to test VRS with Microsoft Office Document Scanning, which is a TWAIN application.

Note If you have Windows XP, Microsoft Office Document Scanning and Microsoft Office Document Imaging are available for testing with VRS, if you included them as part of your Microsoft Office XP installation. Both are TWAIN applications. If you have Windows 2000, you can test VRS with Microsoft Imaging for Windows, which is also a TWAIN application.

► To test VRS with Microsoft Office Document Scanning

- 1 Turn on your scanner and load the document that you want to scan.
- 2 Turn on your computer.
- 3 From the Start menu, navigate to the Microsoft Office folder and select Microsoft Office Document Scanning. The scanning interface will be launched.

- 4 From the scanning interface, click Scanner to open the Choose Scanner dialog box.



Figure 21. Choose Scanner Dialog Box

- 5 Select the “Kofax Software VRS - TWAIN” scan source and click OK.
- 6 Click Scan.
- 7 When the Launching Scanner Driver dialog box displays, click OK. The Kofax VRS TWAIN interface will launch.
- 8 The VRS icon will appear in the Windows taskbar to indicate that VRS is active (Figure 22).



Figure 22. VRS Icon in Windows Taskbar

- 9 Set your preferences in the VRS TWAIN interface and load the scanner with the document you want to scan.
- 10 Click Scan to proceed with the scanning session. As pages are scanned, they will display within the Microsoft Office Document Scanning application window. For more information, refer to the *VRS User's Guide*, which is available in PDF format from the VRS Help menu and from the VRS installation CD or VRS installation folder.

Installing an Adrenaline SCSI Scanner Controller

Introduction

This chapter includes the information you will need to install and configure a Kofax Adrenaline SCSI scanner controller. (If you have a non-Kofax scanner controller, it should be installed according to the manufacturer's instructions.)

This is the recommended installation sequence for the Kofax Adrenaline SCSI scanner controller:

- 1 Install the software (refer to the next section)
- 2 Install the SCSI scanner controller (refer to *Install the SCSI Scanner Controller* on page 66)
- 3 Create or configure a source (refer to *Create or Configure a Scan Source* on page 68)
- 4 Test your installation (refer to *Testing with VCDemo* on page 68)

Install the Software

To install the software that provides the files and drivers required by your Adrenaline SCSI scanner controller, follow the VRS installation procedure in Chapter 2. If you intend to install the scanner controller without the VRS software, the installation procedure is slightly different, as noted below.

- When the Welcome screen displays, select “Install Adrenaline SCSI Controller only” and click Next.
- Bypass the instructions related to the User Identification, Product Information, and Activate VRS screens.

The exceptions for installing the Adrenaline scanner controller without VRS are also noted in the step-by-step instructions in Chapter 2.

Install the SCSI Scanner Controller

This section gives you the instructions for installing the Adrenaline SCSI scanner controller in your computer.

Precautions

Follow these precautions when handling your Adrenaline SCSI scanner controller:

- Keep it in the shipping package until installation.
- Turn off and unplug your computer before installing the controller.
- Discharge static electricity from yourself and the work area by touching the metal chassis of the computer before handling the controller.
- Hold the controller by its edges; do not touch its metal surface.

► To install the SCSI scanner controller

- 1 Make sure your computer is turned off and unplugged.

Note Before unplugging the power cord, consult the manufacturer’s recommendations to prevent an ESD (electrostatic discharge) event.

- 2 Wait approximately 10 seconds and remove the cover from the computer.
- 3 Install the SCSI scanner controller in a PCI slot (refer to *PCI Slot Requirements* on page 8).

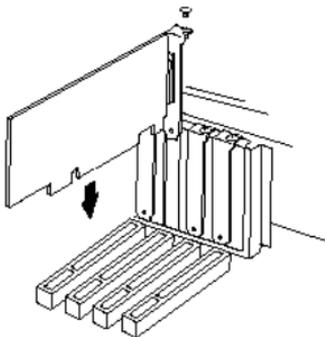


Figure 23. Installing an Adrenaline SCSI Scanner Controller

- 4 Secure the computer cover back into place and turn on the computer.
- 5 A message may appear, notifying you that Windows has detected the new hardware and is searching for its driver. The driver will automatically load.
- 6 Your Adrenaline SCSI scanner controller will now be ready to use.

Create or Configure a Scan Source

A scan source associated with your Adrenaline SCSI scanner controller must be selected each time you use your scanning application.

If you selected the name of your scanner from the list presented during the software installation process, a scan source will already be installed and available for selection from your scanning application. If desired, you can use the Scanner Configuration Utility to update the configuration settings for this source. For more information, refer to *Scanner Configuration Utility* on page 77.

If your scanner did not appear on the list presented during the installation process, you should have selected the “I will configure my scanner later” check box. In this case, you will need to use the Scanner Configuration Utility to create a scan source for use with the scanner and your Adrenaline SCSI scanner controller. For more information, refer to *Scanner Configuration Utility* on page 77.

Testing with VCDemo

You can test your Adrenaline SCSI scanner controller installation with VCDemo, an ImageControls-based demonstration application that is included with your VRS installation. For details about the VCDemo toolbar and menus, refer to *Using VCDemo* on page 85.

Introduction

This chapter explains how to remove VRS and related components from your computer. During the VRS removal process, you will be prompted to deactivate your VRS license. Unless you are planning to reinstall VRS later on the same computer, the license should be deactivated. You will also be prompted to indicate whether you want to remove existing VRS profiles.

Removing VRS and Related Components

This section explains how to use the Add or Remove Programs utility in the Windows Control Panel to remove VRS and related components from your computer.

Note If VRS was installed as part of your Ascent Capture 7.x installation, VRS does not appear in the list of “Currently installed programs” in the Add or Remove Programs utility. VRS is removed automatically when you remove Ascent Capture. For more information, refer to the *Installation Guide for Ascent Capture and Ascent Capture Internet Server*.

If you use the Add or Remove Programs utility to remove a VRS product update, service pack, or Component Installer, the base VRS product remains intact. However,

if you remove the base VRS product installation, any associated product updates, service packs, or Component Installers are removed at the same time.

► **To remove VRS**

- 1 Select Start | Control Panel | Add or Remove Programs.
- 2 Select “Kofax VirtualReScan 4.10” from the list of currently installed programs.
- 3 Click “Change” to launch the installation wizard that will be used to remove VRS and related components.
- 4 When the Welcome screen displays, click Next to continue with the VRS removal process.
- 5 When prompted to reinstall or remove VRS, select “Remove” and then click Next.
- 6 You will be prompted to select individual VRS components for removal (Figure 24).

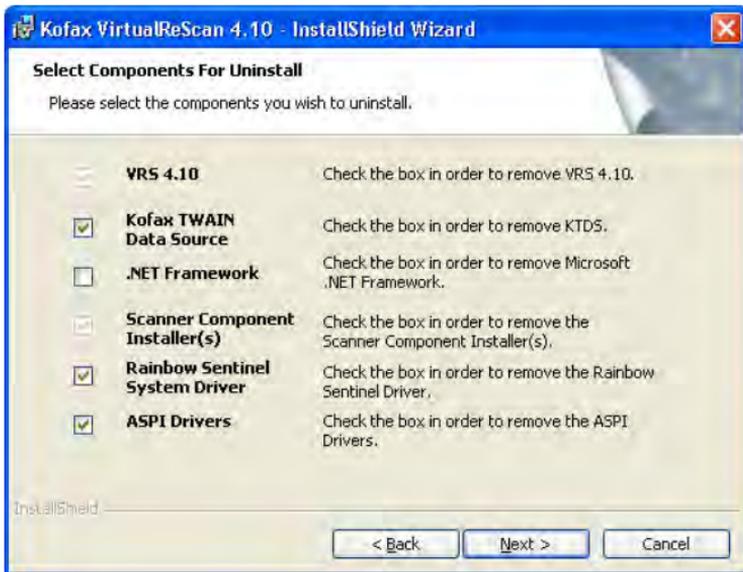


Figure 24. VRS Component List

Select the check box next to each component that you want to remove, and then click Next.

Note the following:

- If you select the VRS 4.10 component from the list, any existing VRS Component Installers will also be removed. If you intend to remove VRS Component Installers *without* removing your VRS 4.10 installation, clear the

“VRS 4.10” check box and then select the “Scanner Component Installer(s)” check box.

- If you select the VRS 4.10 component from the list, any existing VRS service packs will also be removed. If you intend to remove a VRS service pack *without* removing your VRS 4.10 installation, you should cancel and restart the removal process with the VRS service pack selected from the list of “Currently installed programs” in the Add or Remove Programs utility. This way, the VRS installation will remain intact after the service pack is removed.
- By default, the Microsoft .NET Framework component is *not* selected on the list. You should not select this component for removal unless you are confident that the Microsoft .NET Framework is not used by any other applications on your computer.
- If you select the VRS 4.10 component from the list, any existing VRS product updates/service packs will also be removed.

7 When the Remove the Program dialog box displays, click Remove to start the removal process.

The installation wizard will remove each component that you specified on the previous screen. Additionally, you may be prompted to remove specific scanner drivers, depending on the scanner that you selected during the VRS installation process. Follow the on-screen instructions and click Yes in response to confirmation prompts, as applicable.

8 If you selected to remove VRS 4.10, you will be prompted to indicate if you plan to reinstall the product.

- If your response is Yes, you will not be prompted to deactivate your product license.

- If your response is No, the Deactivate VRS dialog box will display, and you will be prompted to deactivate your VRS product license (Figure 25).

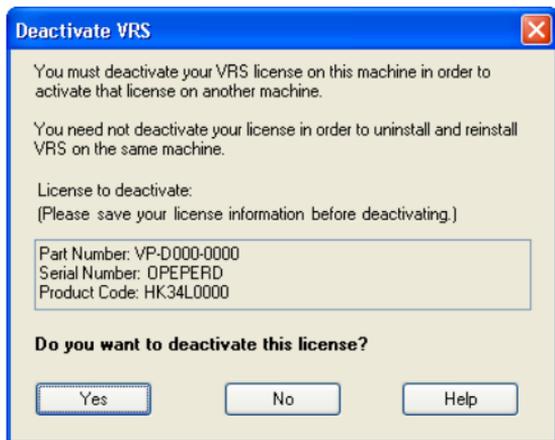


Figure 25. Deactivate VRS Dialog Box

- 9 From the Deactivate VRS dialog box, do **one** of the following:
 - Click Yes to deactivate your VRS license immediately. This choice is appropriate if you plan to activate the same VRS license (with the same serial number) later on another computer, or if you want to discontinue use of the VRS license that is currently active. If the Deactivation Failed dialog box displays after you click Yes, you will need to use an alternate method to deactivate the license. Refer to *Deactivating Your License Without an Internet Connection* on page 74 for further instructions.

- Click No to keep your license active. This choice is appropriate if you plan to reinstall VRS (with the same license and serial number) later on the same computer. This choice is also appropriate if you are postponing deactivation because you do not have a working Internet connection. If so, refer to *Deactivating Your License Without an Internet Connection* on page 74.
- 10** When prompted to indicate whether you want to delete files related to your VRS or Adrenaline installation, do **one** of the following:
- Click Yes to remove all VRS profiles, including user-defined profiles, and other files associated with your installation.
 - Click No to retain user-defined profiles and other files associated with your installation. The VRS default profile will still be removed.
- 11** When VirtualReScan and the applicable related items have been removed successfully, a confirmation message will display, followed by a prompt to restart your computer. Do **both** of the following:
- Click Finish to clear the confirmation message.
 - Select the option to restart your computer to complete the removal of VRS components.

Deactivating Your License Without an Internet Connection

License deactivation typically occurs during the VRS product removal process, as described in the previous section, or as the result of choosing the “Deactivate VRS” item from the Kofax VRS program folder. The license is deactivated by using the Internet connection on your computer to contact the Kofax license server. You may need to use an alternate method to deactivate if the Internet connection for your computer is not available, or if your computer has no Internet access.

In this situation, you will need to use another computer with an active Internet connection to contact the license server or send an email request for deactivation. You can also use a fax machine to submit the license deactivation request to Kofax.

► To deactivate your VRS license without an Internet connection

- 1 When the Deactivate - No Internet Connection dialog box displays, review the on-screen instructions that explain the three methods for deactivating without an Internet connection. Whichever method is selected, you will need to provide the information contained in the file Deactivate.txt, which you can locate by using the path shown on the Deactivate - No Internet Connection dialog box (Figure 26).

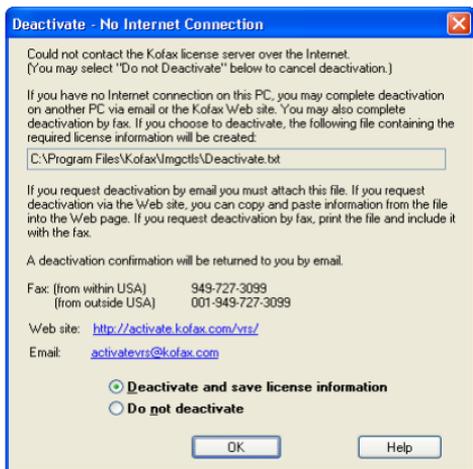


Figure 26. Deactivate - No Internet Connection Dialog Box

- 2 Select **one** of the following:
 - **Deactivate and save license information:** Select this option to deactivate the VRS license on your computer and create a file (Deactivate.txt) that you will need later when you contact Kofax to complete the deactivation process. If you select this option, a confirmation message will appear once the license has been deactivated on your local computer.
 - **Do not deactivate:** Select this option to cancel the deactivation process and keep the VRS license in effect.
- 3 Click OK to close the dialog box.
- 4 Select **one** of the following methods to contact Kofax to complete the license deactivation process:
 - Use one of the fax numbers on the dialog box to send a request for deactivation to Kofax. You should print a copy of the Deactivate.txt file and include it in your fax message.
 - From another computer with a working Internet connection, launch the browser and open to <http://activate.kofax.com/vrs>. During the deactivation process, you will need to copy information from the Deactivate.txt file and paste it into the form on the Web site.
 - From another computer with a working Internet connection, send an email request to activatevrs@kofax.com. You must attach the Deactivate.txt file to the email message. The path to the file is listed in the Deactivate - No Internet Connection dialog box.
- 5 Once you use another computer or a fax machine to contact Kofax and request deactivation, a confirmation message will be sent to you via email. Unless you specify otherwise, the confirmation will be sent to the email address listed in the Deactivate.txt file.

Scanner Configuration Utility

Introduction

You can use the Kofax Scanner Configuration Utility to create and configure scan and image device sources, and set VRS default scanners. The Scanner Configuration Utility is available from the Kofax VRS program folder.

From your scanning application, you select a scan source to ensure that the appropriate drivers are used during your scanning session. As explained earlier in this guide, a VRS scan source must be selected in order to run VRS with your scanning application.

If you have installed either VRS or an Adrenaline SCSI scanner controller and selected a scanner, several preconfigured scan sources are already available for use with your scanning application. Scan sources are also available if you have installed a VRS Component Installer. Therefore, in most cases, you will not need to use the Scanner Configuration Utility to create a scan source.

You may need to use the utility to create an additional scan source if one of the following situations is applicable to your installation:

- You are using VRS with a “compatible” scanner, which is a scanner that has not gone through the VRS certification process. For more information, refer to *VRS Scanners: Certified vs. Non-Certified* on page 3 of this guide.

- You are using a Kofax Adrenaline SCSI scanner controller (*without* VRS) with a “compatible” scanner, and you want to create a source other than the default source named “<XYZ Scanner> without SVRS.”

Using the Scanner Configuration Utility, you can do the following:

- Create and configure scan sources
- Select a scanner and set it as the VRS default scanner
- Restore the VRS default settings for a specific scanner
- Set source properties
- Create and manage import sources

Note With earlier versions of VRS, the Kofax Source Manager (KSM) utility and the Restore Default Values (RDV) utility were used to configure scan sources and apply VRS default settings. If you attempt to use an existing instance of KSM in connection with VRS 4.1, you will be redirected automatically to the Scanner Configuration Utility. The RDV utility is automatically removed when you install VRS 4.1.

Configuring a Scan Source

There are a number of ways to create and configure sources with the Scanner Configuration Utility. For most VRS users, the procedure in this section will provide the easiest approach to configuring a scan source. If you need additional information, please click Help from the utility.

► **To configure a scan source**

- 1 From the Start menu, navigate to the Kofax VRS program folder and select the Scanner Configuration Utility. The Scanner Configuration Utility dialog box will display (Figure 27).

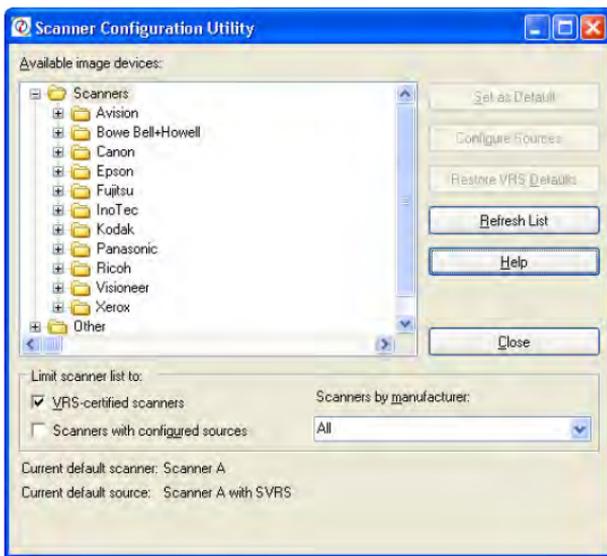


Figure 27. Scanner Configuration Utility Dialog Box

- 2 Expand the Scanners list, select the scanner for which you want to configure sources, and click Set as Default. When you click Set as Default, the following occurs:
 - If no sources exist for the selected scanner, a set of standard VRS sources will automatically be created and configured. If one or more sources exist for the selected scanner, no additional sources will be created.
 - If no default source has been set for the selected scanner, a default source will be set automatically. The selection is based on the license that you have in place. If a default source exists, it will be left intact.
 - VRS default settings for the selected scanner will be applied within the VRS software.
- 3 The Scanner Configuration Utility dialog box will be refreshed so that the default scanner and source are listed at the bottom of the window.
- 4 Click Close to exit the utility.

The newly created source(s) will be available from your scanning application.

Restoring VRS Default Settings

The VRS default settings have been carefully chosen to ensure that VRS excels with a wide range of documents without requiring adjustments. In the day-to-day use of VRS, the default settings may inadvertently be altered. From the Scanner Configuration Utility, you can use the Restore VRS Defaults function to restore the VRS default settings for the selected device and set it as the default VRS scan source.

Note In earlier versions of VRS, the Restore Default Values (RDV) utility was used to reset VRS default values. As of VRS 4.1, the RDV utility has been discontinued.

► **To restore VRS default settings**

- 1 From the Scanner Configuration Utility dialog box, use the “Available image devices” list to locate the scanner that you have configured for use with VRS.
- 2 Select your scanner from the list.
- 3 Click Restore VRS Defaults.

Note The Restore VRS Defaults function is not available unless sources have been configured for the selected scanner.

Notice that the “Current default scanner” and “Current default source” entries will be updated at the bottom of the dialog box. When you start VRS, you will notice also that the panels in the VRS Adjustment Controls will be updated with the original default settings.

- 4 Click Close to exit the Scanner Configuration Utility.

Introduction

During the installation process, you can set VRS to run in non-interactive mode with certain scanners. This mode is intended for users who do not wish to see the VRS user interface while scanning, even though VRS is running in the background.

Switching to Interactive Mode

If you have set VRS to run in non-interactive mode, you have the option of switching it back to interactive mode, as explained below.

► To switch a scanner from non-interactive mode to interactive mode

- 1 Right-click on the VRS taskbar icon.
- 2 From the VRS taskbar menu, select **QC Modes | On Errors**, which will have the effect of turning off non-interactive mode.
- 3 In addition, you may want to use the VirtualReScan Administration Utility to update the settings that affect the way that VRS responds to hardware problems. For more information, refer to Chapter 3 of the *VRS User's Guide*.

Introduction

Kofax VCDemo is a demonstration application that you can use to scan images, import images, and perform image cleanup operations. VCDemo is included in every VRS and Adrenaline SCSI scanner controller installation, and you can use VCDemo for testing purposes.

This chapter gives you an overview of VCDemo and explains the VCDemo menus and toolbars.

Note While VCDemo is ideal for demonstration and testing purposes, it is not intended for use in a high-volume scanning environment.

Starting VCDemo

► To start VCDemo

- 1 From the Start menu, navigate to the Kofax VRS program folder and select VCDemo. The VCDemo application will display (Figure 28).



Figure 28. Main Screen for VCDemo

- 2 If you want to scan or import images from disk, do the following:
 - a To scan, make sure your scanner is connected and powered on. Select Source | Scanner, select a scanner source, and click OK.
 - b To import images from disk, select Source | File Import. Select an import source and click OK.

- 3** If you want to display an image (a source device is not required), select File | Open. Select a file from the Open dialog box and click OK.
- 4** Use the toolbar and menus available on the sample application's main screen to select the desired options for your operation. Then, process your images as desired. For example:
 - a** If you are scanning, you can select Source | Properties to select various scanner settings. Then, load a batch of pages in your scanner and select Source | Process Batch to process the batch.
 - b** If you are importing images from disk, you can select Source | Properties to select various device options and select Source | Process Batch. Then, select a file from the Open dialog box and click OK.
 - c** If you are displaying an image, you can select File | Print to print the image.

You can use any available option from the toolbar and menus. Options that are not available for a particular operation will be grayed. The toolbar and menus are described in more detail on the following pages.

Toolbar

You can use the buttons on the VCDemo toolbar to perform various operations. The toolbar provides quick access to some frequently used menu items.

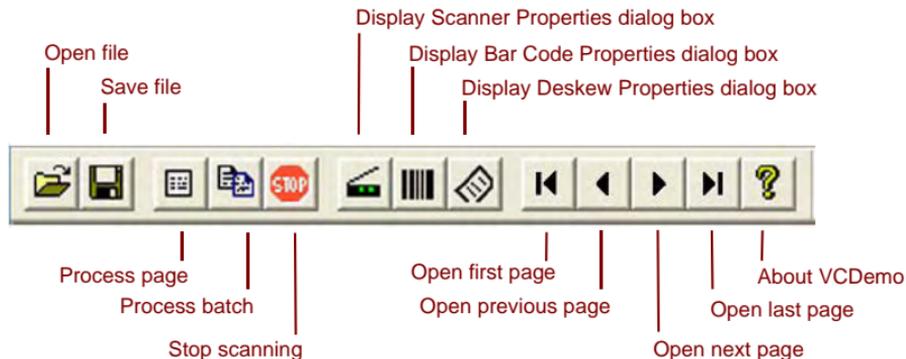


Figure 29. VCDemo Toolbar

File Menu

You can use the options on the File menu to perform file management tasks and to exit VCDemo.

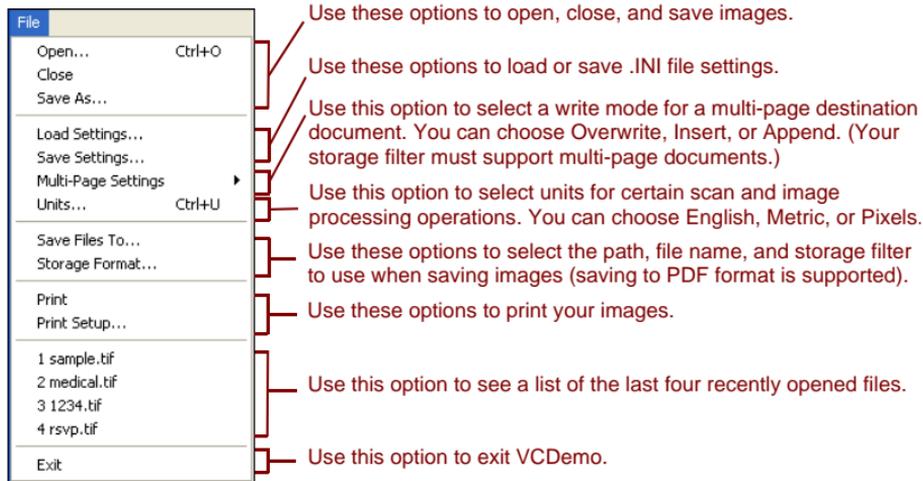


Figure 30. VCDemo File Menu

Source Menu

You can use the options on the Source menu to select a scanner or import source from the sources you configured with the Scanner Configuration Utility, process one or more images, and to set properties for the operation.

Source	View	Imaging	Help
✓ Scanner...			
File Import...			
Process Image		Ctrl+I	
Process Batch		Ctrl+B	
Stop		Ctrl+S	
Properties...		Ctrl+P	
Advanced Properties...		Ctrl+A	
Options...			
Background Processing			
✓ Display While Processing			
Reset...		Ctrl+R	

Use these options to select a source.

Use these options to process a single image or a batch, or to stop an operation.

These options display source settings dialog boxes. Use them to set scanner or import settings.

Use this option to enable background processing.

Use these options to display images as they are processed.

Use this option to reset your engine.

Figure 31. VCDemo Source Menu

View Menu

You can use the options on the View menu to perform various display operations, such as rotating or scaling an image. These features adjust the image for display purposes only, and do not affect the stored image. In addition to the options on the View menu, you can use the left mouse button to zoom on an image. If the scaled image does not fit completely in the window, you can use the right mouse button to pan the image.

View	Imaging	Help
✓	Toolbar	
✓	Status Bar	
	Analysis Window...	Ctrl+W
	Two Windows	Ctrl+F2
	Toggle Window	Ctrl+Tab
	Go To Page...	
	Display Properties..	
	Scale 1:1 (100%)	Ctrl+F1
	Scale 2:1 (50%)	
	Scale 4:1 (25%)	
✓	Fit in Window	Ctrl+F
	Correct Aspect Ratio	

- Use these options to toggle the display of the toolbar and status bar.
- Use these options to display the Analysis window, which lists results of various operations.
- Use these options to open two display windows and toggle between them.
- Use this option to display a specific page from a multi-page document.
- This option opens a dialog box from which you can apply settings such as rotation and image scaling.
- Use these options to scale the displayed image.
- Use this option to toggle the "correct aspect ratio" feature.
- This feature is useful for enhancing the display of images with different horizontal and vertical DPIs (such as fax images).

Figure 32. VCDemo View Menu

Imaging Menu

The options on the Imaging menu may be grayed if you do not have the Adrenaline Image Processing Engine (AIPE), which supports image processing. If you do have AIPE installed, you can use the Imaging menu to select image processing features, such as bar code and patch code recognition, including color patch code recognition and color deskew. Other options can be used to enable image cleanup features such as black border removal, line removal, and speckle removal. You can use these features to remove unwanted borders, lines, or speckles from your images. Doing so will improve OCR recognition and reduce your file sizes.

Note Items on the Imaging menu are available only when a source device configured for image processing is selected.

The Imaging menu also includes two options that offer specialty features:

- **Demo Image Markup** – This option demonstrates annotating your images as they are scanned. It adds a time/date stamp to the top left corner of your images.
- **Auto Endorse/Annotate Properties** – This option demonstrates the annotation and endorsement feature. To use this option, your scanner must be capable of endorsing images. In addition, Kofax must support the scanner as endorser-enabled. To view a list of supported scanners that are capable of endorsing, use the Scanner Configurator on the Kofax Web site at www.kofax.com.



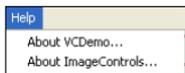
Each of these options displays a setup dialog box for image processing and cleanup features. You can use these dialog boxes to enable one or more of the features and select the desired settings. Units for some of the measurements that you can select are controlled by the preferences set with the Units option on the File menu.

Use these options to display the Batch Separate dialog box, to annotate images with a time/date stamp, or to endorse pages as they are scanned.

Figure 33. VCDemo Imaging Menu

Help Menu

You can use options on the Help menu to display information about VCDemo.



Use these options to display information about VCDemo (such as which versions of the ImageControls ActiveX custom controls are used) and to display information about ImageControls, including which engines are available and revisions levels for certain modules.

Figure 34. VCDemo Help Menu

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