SCAN►X®

ScanX Touch	ScanX Duo Touch
PN - J1100	PN - J1200

Image Plate Scanners

Software Installation and Configuration Guide

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FOREWORD

General

The instructions provided are limited to the integration of the ScanX Touch, and Duo Touch image plate scanners. The devices are referred to as ScanX in this manual. All devices work using TWAIN. In addition, various third party software packages support Direct Integration. This document does not provide detailed installation or operation instructions for the third party imaging management software. Therefore, the user must refer to the individual software manufacturer user documentation for all information specific to installing the application and its subsequent detailed operation.

Pre-Installation Check

Perform the following checks to verify that the computer system and associated monitor resolution meet or exceed the requirements needed to operate ScanX.

1. Refer to section 1 and make sure that the computer system being used has the requirements necessary to operate ScanX.

2. Check or set the monitor resolution using the procedure provided by section 2 for the Windows operating system in use.

Device Setup

Perform the following to setup and configure ScanX. Install the ScanX from the Software and Manual disc provided with the system. This allows full device functional operation via the TWAIN interface or directly with the third party imaging management application via Direct Integration.

1. Refer to section 3 (procedure 3.1) for initial computer/device setup and to install the ScanX software provided on the Software and Manual disc included with each device.

2. Refer to section 3 (procedure 3.2) to connect the ScanX to the computer.

3. Refer to section 3 (procedure 3.3) to register the device in VistaConfig.

4. Refer to section 3 (procedure 3.4) when acquiring images via the TWAIN Interface.

5. Refer to section 3 (procedure 3.5) to enable VistaEasy View and disable the Scan Manager

6. Refer to section 4 and perform the procedure for integration with the authorized third party imaging management applications listed.

> **Disclaimers:**
>
> The procedures provided in this document are limited to the specific revision or version of the third party imaging management software listed.
>
> If problems occur due to changes of the application revision or version, then refer to the latest revision of this document located at www.airtechniques.com.

Important: The procedures provided in this document were successfully employed using the specific revision or version of the imaging management software as listed below. Refer to the latest version of this document located on our web site, ***www.airtechniques.com*** if revisions or versions change.

This section is limited to the integration of ScanX into third party applications as an image acquisition device using the TWAIN interface or Direct Integration interface of the software. It does not provide detailed installation or operation instructions for the imaging management software. Therefore the user must refer to the individual software manufacturer user documentation for all information specific to installing the application and its subsequent operation. The imaging management software covered includes the following.

Third Party Imaging Management Software

Item	Application Setup	Page
4.1.	Apteryx/XrayVision, Version 4	12
4.2.	Dexis, 10.0.8.55	16
4.3.	EagleSoft 20.10.04	22
4.4.	Kodak KDI, Version 6.13.1	26
4.5.	TigerView Pro 7.7.17	28
4.6.	Visix Pro 7.7.15	30

COMPUTER REQUIREMENTS

Important: To operate ScanX, it must be connected to a compliant Computer System supplied by the customer. In addition, authorized third party imaging management software, purchased from your dealer or other company, must be installed on the computer in order to operate ScanX.

Computer System Required Components

The minimum computer system, computer and monitor, requirements necessary to operate ScanX are listed below.

Operating System:	Microsoft Windows 10, 64-bit.
Interface:	USB 2.0 or later, Wi-Fi, or Ethernet
Hard Drive:	200 MB available disk space required to start scanning.
Image Management Software:	Compatible authorized third-party software (not included with product).
Optical Drive:	Device capable of reading a CD-ROM required

Recommended Components

The items listed below are recommended (but not required) computer system components to aide in ScanX operation

System RAM:	2 GB
Hard Drive:	500 GB
CPU/Speed:	Pentium-4, 2 GHz or higher
Monitor	SVGA 24", 1280x1024 or higher resolution, contrast ratio 10,000:1, .22 dot pitch
Video Display Adapter:	32 MB RAM
Peripherals:	Standard Keyboard & Mouse
	Backup Device
	External Surge Protector
	Power supply backup

Protection from Cybersecurity Threats

The unit is to be connected to a computer that can be connected to the Internet. Therefore, the system needs to be protected from threats from the Internet.

a. Use antivirus software and update it regularly. Look for evidence of possible virus infection and, if applicable, check with the antivirus software and remove the virus.

b. Perform regular data backups.

c. Provide access to units only to trustworthy users, e.g. by means of user name and password.

d. Make sure that only trustworthy contents are downloaded. Install manufacturer-authenticated software and firmware updates only.

2.   Monitor Resolution Settings:

The following section provides guidelines to set the resolution of the monitor to work with ScanX units manufactured by Air Techniques. This allows the monitor to display the highest quality image produced by the device. Make sure that the monitor is correctly set to display at least **1280 x 1024** for ScanX. Refer to the Microsoft Windows documentation as necessary.

Perform the following to check or set the monitor resolution in computers using Windows 10 Professional or Enterprise.

1. Right click the Desktop and observe that the **Settings** pop up window opens.

2. Select *Display settings* to open the **Settings** window.

3. Using the resolution drop down menu, set to display at least **1280 x 1024** for ScanX. The maximum setting is recommended.

4. Close the **Settings** window.
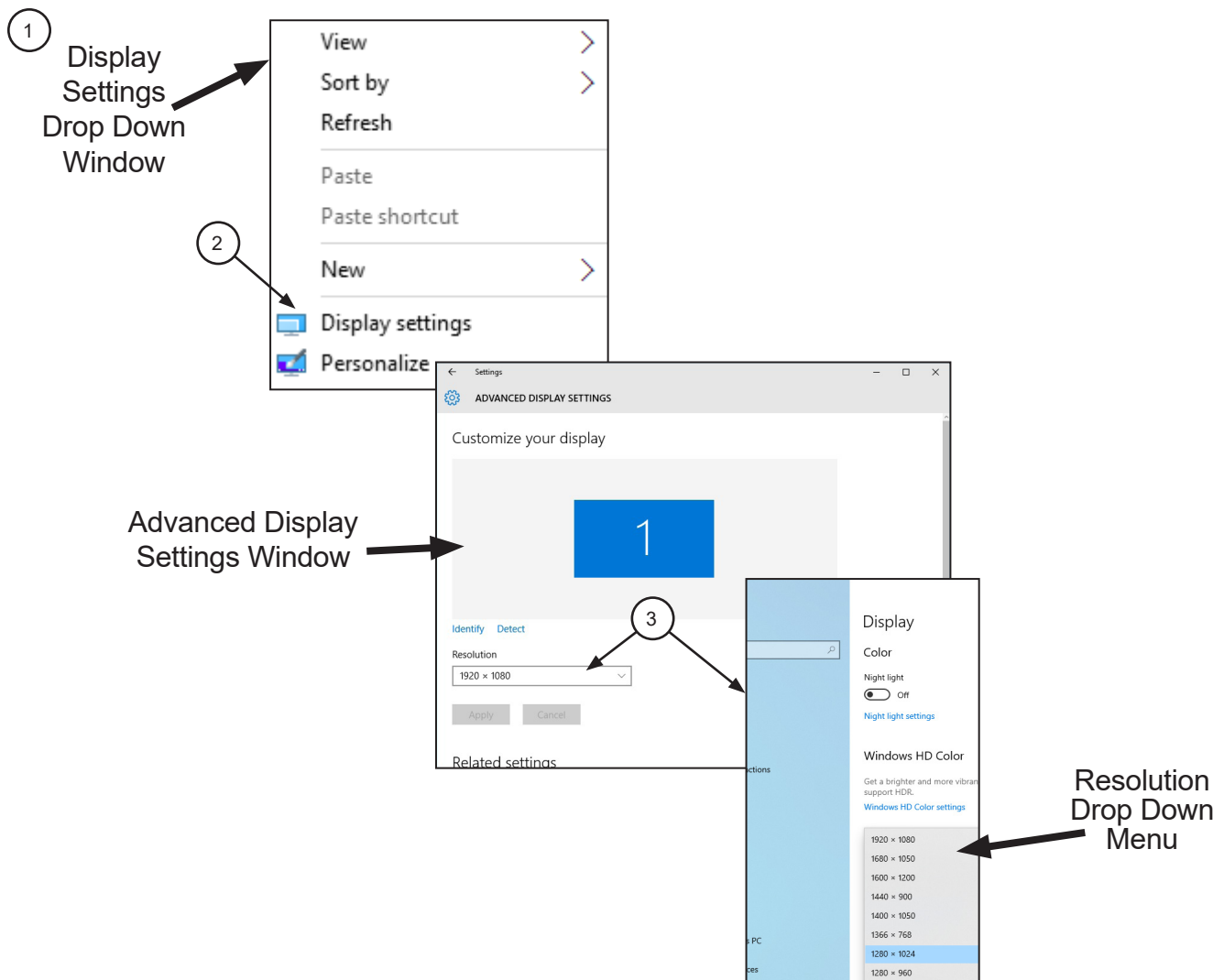
DEVICE SETUP

Important: Before the device will operate properly, ScanX software must be installed.

3. Device Setup:

The following section provides instructions to setup and configure ScanX Touch to operate as a TWAIN device or through Direct Integration with your third-party software by installing the ScanX software. Also provided are instructions to connect the ScanX to the computer through either USB, Ethernet or Wi-Fi.

NOTE: If an error message that VistaEasy is already installed is received, proceed to update that installation, as described in as described in step b. If an error message that VistaEasy is not installed appears, proceed with the normal ScanX software installation, as described in as described in step a.

3.1 ScanX Software Installation. Run the Setup program on the Software and Manual disk. Normally, this program runs automatically when the CD is inserted into the drive for the first time. If not, run the Setup program located in the root directory of the CD (typically **D:\AutoRun.exe**).

The normal ScanX software includes a limited version of VistaEasy and TWAIN that only support ScanX and can be installed as described in step a.

If you are using other Air Techniques imaging devices and have installed the full version of VistaEasy, you will just need to update that installation as described in step b.

    a. From the menu, select **Install the ScanX Software**. Follow the on-screen in- structions to complete the software installation, clicking **Next** or **Install** to ad- vance the installation and then clicking **Finish** to complete the installation. By default, this will launch VistaConfig which will be needed for step 3.3.

    b. From the menu, select **Update VistaEasy for Direct Integration of ScanX**. Follow the on-screen instructions to complete the software installation, clicking Next or Install to advance the installation and then clicking Finish to complete the installation. You may also need to configure VistaEasy and the Scanner as described in section 3.5.

3.2 Connecting the ScanX to the Computer. The ScanX is configured from the factory to connect to the computer using USB or Ethernet. It can also be configured to connected through a wireless network. Only one of these three methods can be used.

Using Ethernet or Wi-Fi, the ScanX is configured from the factory to make use of your network's DHCP server. If your network does not have a DHCP server or if you have an unusual network, you may need to configure some of the network settings manually.

3.2.1 ScanX USB Connection.

    a. Connect the high speed USB cable between the USB Type B connector located on ScanX rear panel and the USB Type A connector located on the computer.

    b. Connect ScanX to power and turn on. With both ScanX and computer turned on, Windows will detect ScanX as a new USB Device.

3.2.2 ScanX Ethernet Connection. Connect the Ethernet cable between the network connector located on the ScanX rear panel and the Ethernet router.

    a. Connect the ScanX to power and turn it on.

    b. On the scanner's screen press **Setting → Access level → Administrator → OK**.

    c. Press **System Settings → Network → Interface**.

    d. Use the arrows to select **LAN** and press **OK**.

    e. Press **OK → Return → Return** until returned to the home screen.

3.2.3 ScanX WLAN Connection.
  a. If the wireless network adapter is not already installed, install it and restart the unit.
  b. On the scanner's screen press **Setting** → **Access level** → **Administrator** → **OK**.
  c. Press **System Settings** → **Network** → **Interface**.
  d. Use the arrows to select **WLAN** and press **OK**.
  e. Press **WLAN** in the bottom left-hand corner of the screen.
  f. Press **SEARCH** in the bottom right-hand corner of the screen. Select your wireless network from the list shown.
  g. Press the Password button.
  h. Enter the wireless network's password and then press the check button.
  i. Press **OK** → **Return** → **Return** until you return to the home screen.
  j. Wait for the Wi-Fi symbol to turn black and an IP address to appear.

3.2.4 Network Configuration. Please contact you network administrator to determine the correct network settings.
  a. On the scanner's screen press **Setting** → **Access level** → **Administrator** → **OK**.
  b. Press **System Settings** → **Network**
  c. Scroll down to the second page.
  d. Press the **DHCP** button to enable or disable the use of a DHCP sever.
  e. If DHCP is disabled, enter the **IP address** and **Subnet mask**.

3.3 Registering the device in VistaConfig. Once the ScanX software is installed, the ScanX must be registered with the program to allow the device to work. Register the device by performing the following steps.
  a. Turn on device and click the Windows Start button.
  b. Select the Air Techniques folder.
  c. Click VistaConfig and observe that the VistaConfig window opens.
    1. Select the appropriate ScanX (See note.) as the device to be registered within Vista-Config by checking the corresponding check box.
    2. Click the test tab and observe that a new VistaConfig window opens.

  d. Perform the following from the new VistaConfig window.
    1. Select the appropriate ScanX (See note.) from the Registered Devices drop down menu.
    2. Select *All* from the **Mode class** drop down menu.
    3. Select *Intraoral Very High* from the **Mode** drop down menu.
    4. Select the ***Read image*** button and observe that the Scan preview pop up displays showing the image acquisition from a plate. Observe that the VistaEasyView Main Image window opens once the image is acquired. Successful image acquisition shows successful ScanX registration with program.

3.3c

2

1

If device is not listed, enter information in IP address and Identifier fields below and Register device manually.

3.3d

1

2

3

4

Successful image acquisition shows successful device registration with program.

3.4   Using the TWAIN Interface (Source) with Third-Party Applications. VistaEasy provides the TWAIN interface for all the third-party applications covered in this document. Once the third-party application is set up to use the TWAIN interface (See section 4.), image import processing is done via the VistaEasyView window shown below.

Quick access toolbar: Allows management of captured images selected in the image preview bar. See descriptions below.

Tool and filter controls: Allows manipulation of captured image selected in the image preview bar. Refer to descriptions below.

Image preview bar: Shows the thumbnail of captured image and allows images to be marked for the transfer. Individual images can also be deleted from the image preview bar.

Main image window: Previews captured image selected in the image preview bar.

> ⚠ The settings that were made are saved directly in mode. The saved changes are then always applied when this mode is used.

Quick Access Toolbar

Send images: Sends selected images marked with a check mark to the third-party application.

Undo: Reverts the last step to its previous state.

Load original image: Loads the original status of the image.

Save mode configuration: Saves tool and filter settings (BCG, filter values and histogram optimization) that were made.
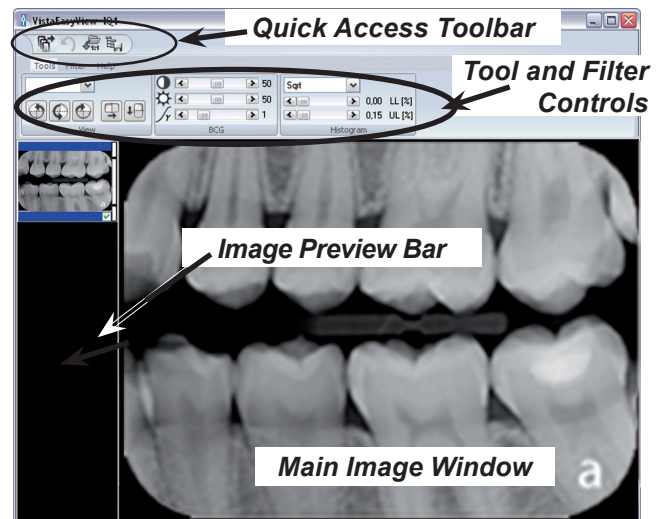
> ⚠ Filter settings are applied automatically by default. Since the filter applied to the image is permanent once it is sent out of VistaEasy, images must be carefully reviewed before passing to third party software applications.

Tools and filters for image editing The tools and filters that are necessary for editing images are visible in VistaEasyView Main Image window.

Tool – View Controls

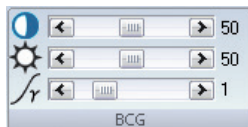**Increase / Decrease:** Provides pull-down menu for zoom-factor selection.

Rotate image: Allows image to be turned by 90° to the left or right or by 180°.

Mirror image: Allows image to be flipped horizontally or vertically.

USING THE TWAIN INTERFACE

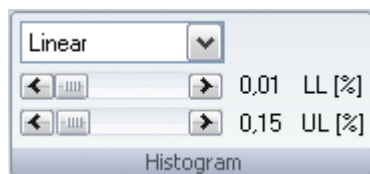**Tool – BCG Controls
(Brightness, Contrast, Gamma)**

Contrast: The contrast of the recording can be adjusted with the slide control.

Brightness: The brightness of the recording can be adjusted with the slide control.

Gamma: The gamma values of the recording can be adjusted with the slide control.

Tool – Histogram Control

This control allows the adjustment of grey values using histogram optimization.

The calculation of the evaluation curve can be selected from original, linear, sqrt, log, quad, S-Curve types. The lower and upper percentage limit of the grey values can also be truncated by up to 10%. This eliminates the grey values in this range.

Filter:

Intra, Ceph and Pano Controls

Intra, Ceph, Pano Noise Reduction: Matches outlier pixels to their neighboring pixels.

Intra, Ceph, Pano Fine: General sharpening filter which enhances structures of 2 line pairs per mm.

Ceph 1: Enhances structures of 0.75 line pairs per mm with strong attenuation of high frequencies.

Ceph PA: Enhances strongly structures of 0.5 line pairs per mm with very strong attenuation of high frequencies.

Histogram: optimization

Panorama Standard: Enhances structures of 0.25 line pairs per mm with strong attenuation of high frequencies.

3.5 **Configuring VistaEasy.** If the full version of VistaEasy and the Direct Integration up-date are installed, as described in section 3.1 part b, you need to activate VistaEasy View in VistaConfig and disable the Scan Manager on the ScanX to enable the full functionality.

a. Activate VistaEasy View

   1. Click the Wrench Icon button and observe that the VistaEasy changes showing VistaEasy setting options.

   2. Select Activate VistaEasy View option and make sure that a check appears in the check box.

   3. Click Close configuration to return to the desktop.
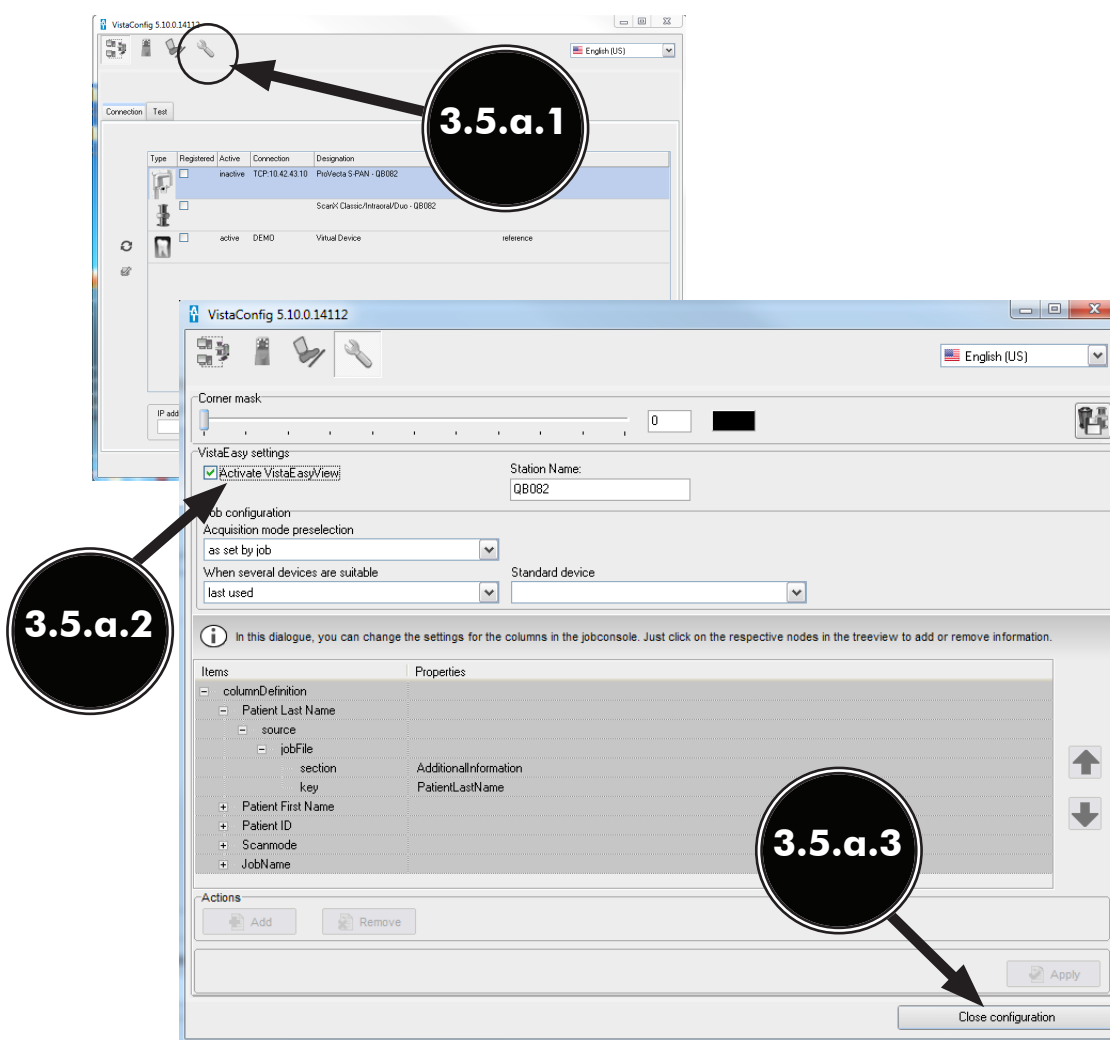
b. Disable the Scan Manager. On the scanner's main screen:

   1. press **Settings → Access level → Administrator → OK.**

   2. Press **System Settings → Operating type**

   3. If the Scan Manager is enabled, press **ScanManager** button to disable Scan Manager.

   4. Press **OK** to confirm, then press **Main menu** to go back to main screen

4.1. **Apteryx Setup for ScanX.**

The following provides setup instructions for **Apteryx** imaging software, XrayVision Version 4. This software allows ScanX devices to acquire images via both TWAIN and Direct Integration.

Important: In order for Direct Integration to work, it is necessary to make sure that the ScanX plug-in is checked when installing **Apteryx**.

NOTE: If you installed or updated **Apteryx** after installing the ScanX software, please run the Update Library program that was included as part of the ScanX software.

4.1a. Make sure that the ScanX software been installed and scanner selected in VistaConfig. Refer to the Device Setup, section 3, as necessary.

4.1b. Start the application and observe that the **Apteryx** main window displays. Perform the steps of paragraph 4.1c when running **Apteryx** for the first time. Otherwise, proceed to paragraph 4.1d to acquire images via the installed ScanX.

4.1c. Predefined **Apteryx** layouts and image processing source (TWAIN or iDevice) that the ScanX device uses to capture images must be selected or edited. Perform the following steps to match **Apteryx** scan layouts with **TWAIN** or **iDevice** sources as necessary.

1. Click the **Open Patient** tab and select a patient. **Apteryx** returns to the main window.
2. Click the **Capture Layout** button and observe that the **Select Layout** window opens.
3. Choose the desired layout to edit. Select **Edit Layout Definitions**.
4. Observe that the **Layout Definition** window opens and select layout from menu.
5. If necessary, change the source device selection shown on each layout tile by right clicking the tile and selecting **Prompt User For Source** from the **Taken From:** drop down list then click **OK**. Repeat for each tile in the selected layout.
6. Continue in the **Layout Definition** window and select either **ScanX TWAIN or ScanX iDevice** option as the source for the capture device. Click the **Done** button to save the source selection.
7. Observe that the pop up **Layout Modified** window opens. Click the **Yes** button to Return to the **Apteryx** main window.
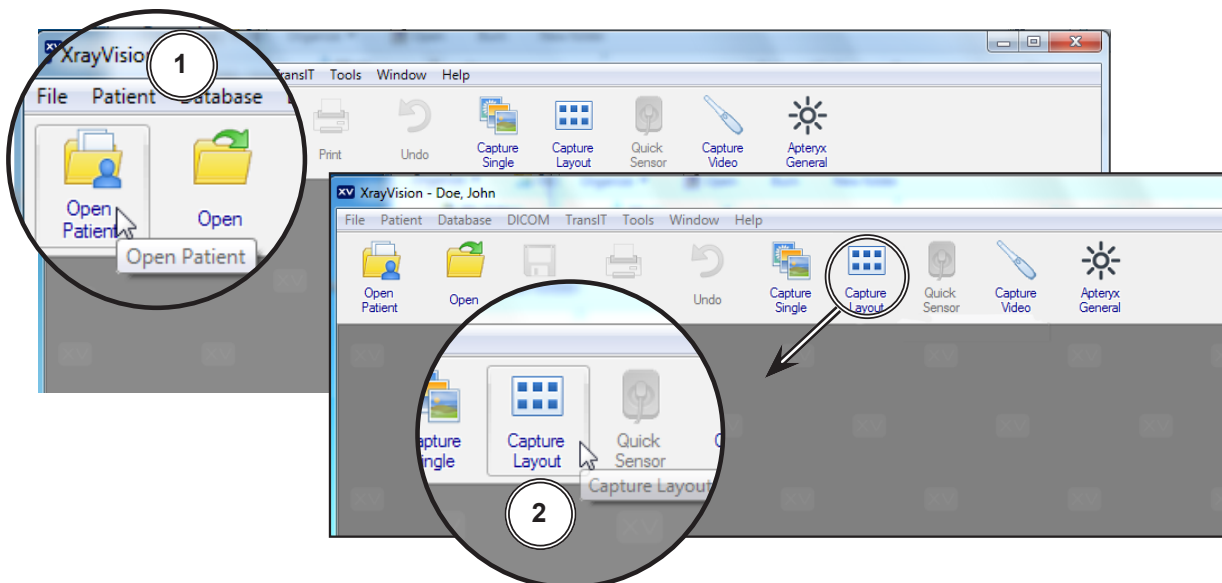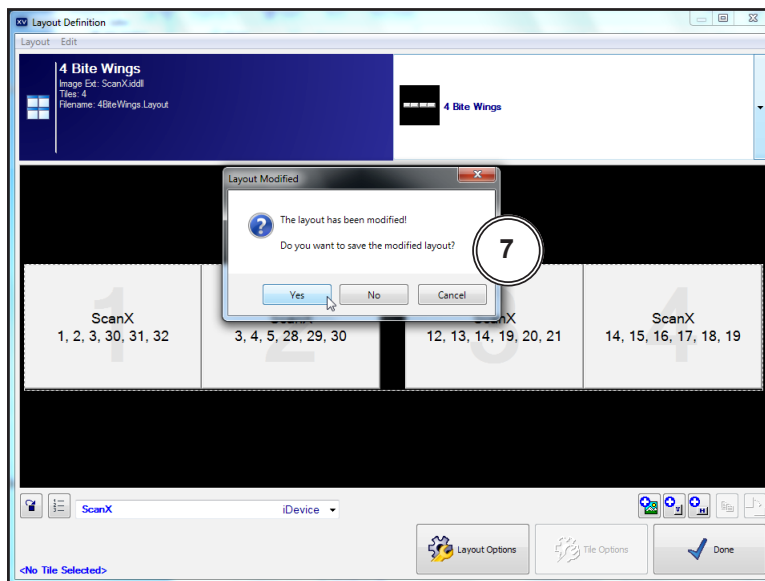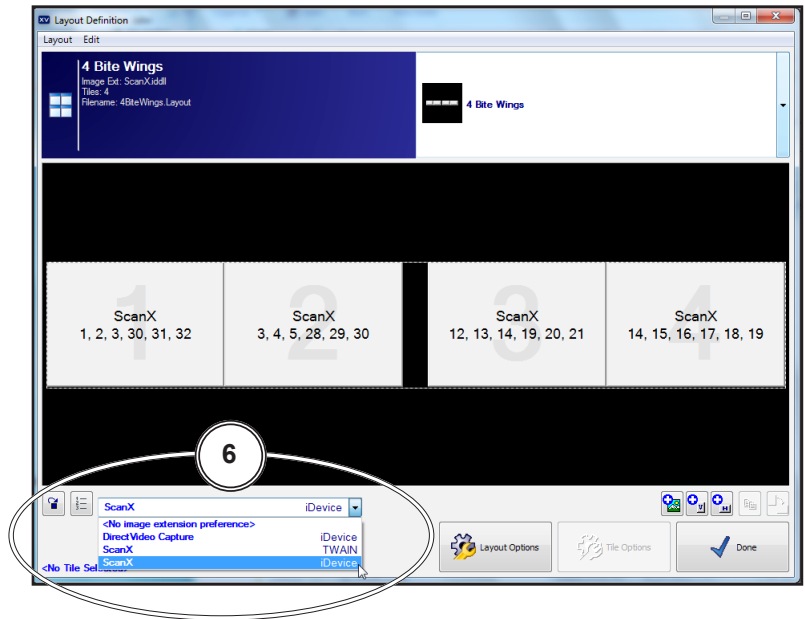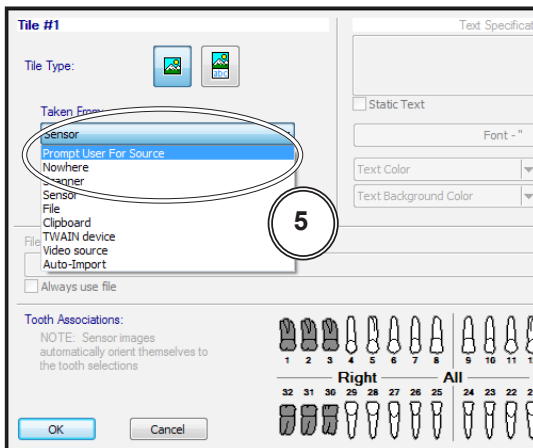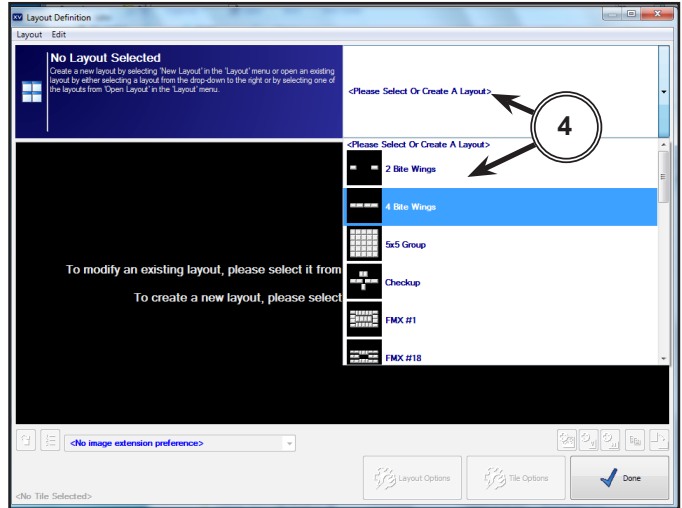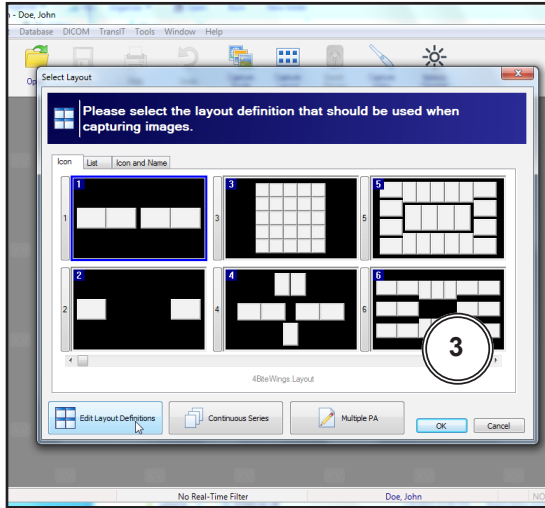
4.1d. Acquire images via the installed ScanX with **Apteryx** by performing the following.

1. Click the **Open Patient** tab to select a patient. Return to the **Apteryx** main window.

2. Select **Capture Layout Images** tab and observe that the **Select Layout** window opens.

3. Select layout configured in step 4.1.c and click the **OK** button. Observe that the **Capture Layout** window opens.

4. From the **Capture Layout** window, select **Capture Series** and observe that the **Scanning Status Preview** window opens.

5. Images are acquired using either the **ScanX TWAIN or ScanX iDevice** option source for the capture device as set by paragraph 4.1c, step 6, above. Refer to step 6 when using Direct Integration, **ScanX iDevice**. Otherwise, proceed to step 7 when acquiring images via **ScanX TWAIN**.

6. When using Direct Integration, **ScanX iDevice**, observe that the acquired image or images display.

7. When using **ScanX TWAIN** , observe that the VistaEasyView Main Image window opens once the first image is acquired. The image or images will remain until processed. Refer to paragraph 3.4, Using the TWAIN Interface (Source) with Third-Party Applications.

> **NOTE:** If the resultant image is displayed mirrored, refer to Appendix A for the associated Image Mirror Control instructions to adjust image orientation for display as needed.

Scanning Status Preview Window

ScanX iDevice Option

Acquisition Window

ScanX TWAIN Option

VistaEasyView Main Image Window
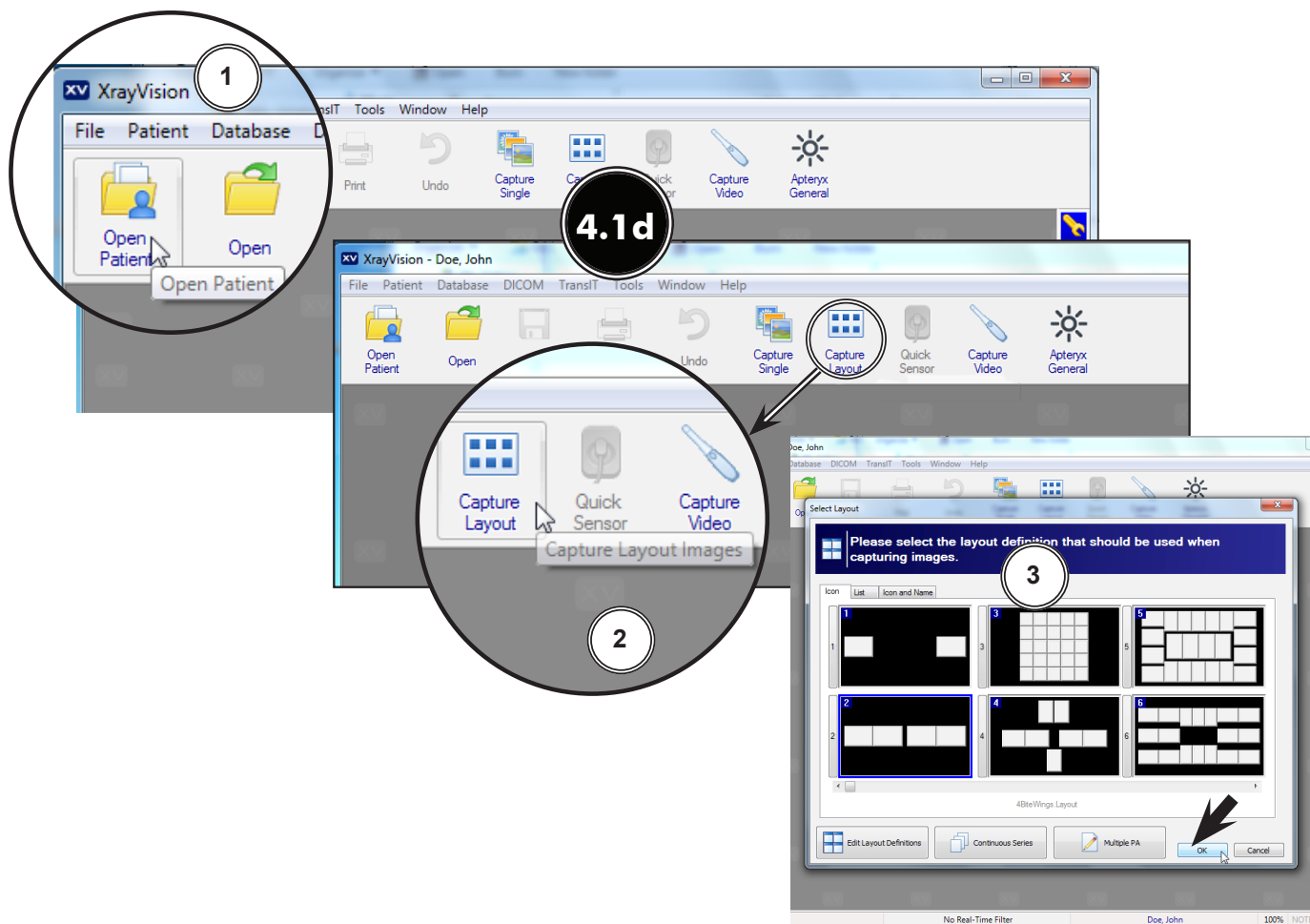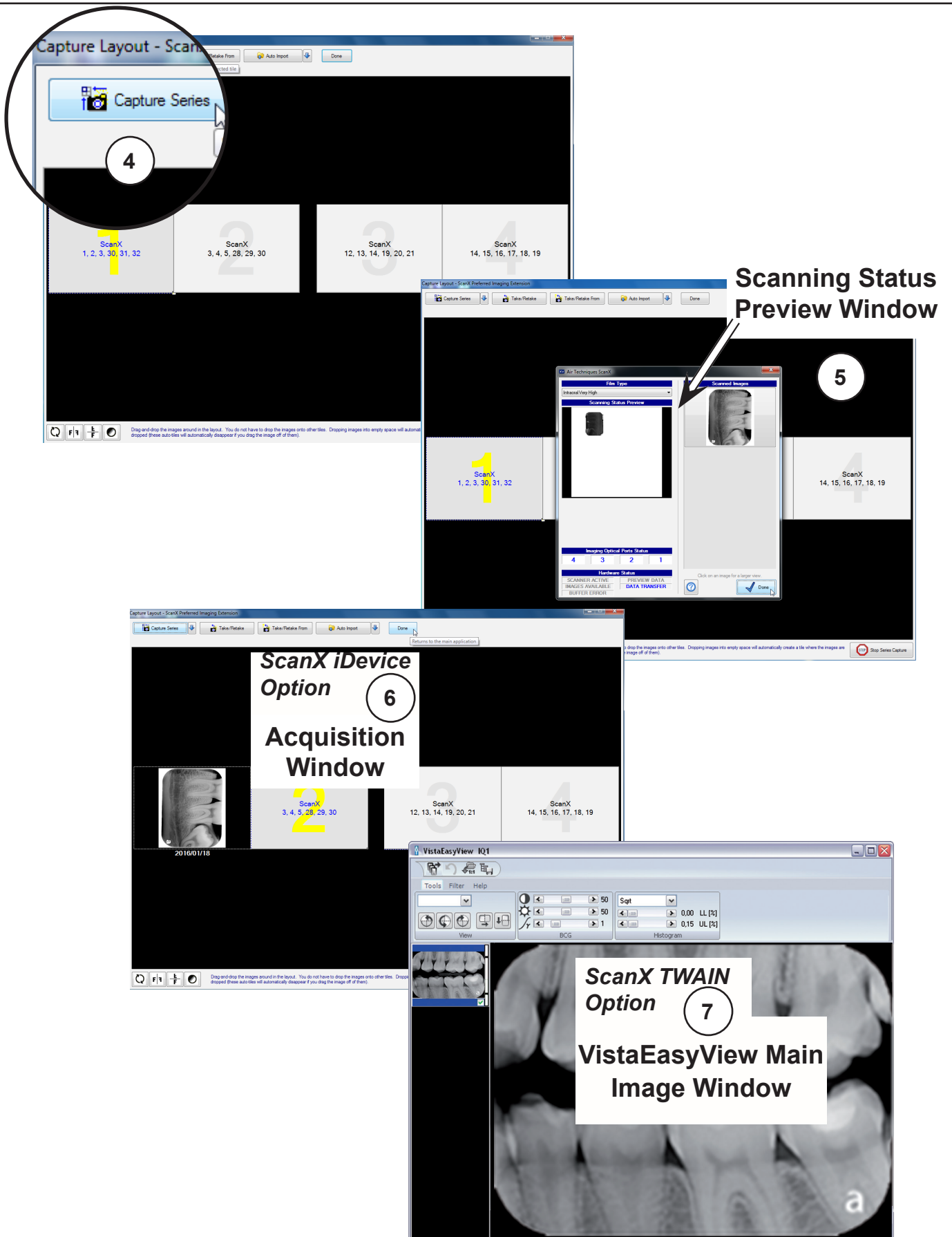
Important: In order for the Direct Integration mode to work, it is necessary to make sure that the DEX PSP module is included when installing **Dexis**.

NOTE: If you installed or updated Dexis after installing the ScanX software, please run the Update Library program that was included as part of the ScanX software.

4.2. Dexis 10.0.8.55 Setup for ScanX.
The following provides setup instructions for **Dexis** imaging software. This software allows ScanX devices to acquire images via both TWAIN and Direct Integration.

4.2a. Make sure that the ScanX software has been installed and scanner selected in VistaConfig. Refer to the Device Setup, section 3, as necessary.

4.2b. Start the application and observe that the **Dexis** main window displays. Perform the steps of paragraph 4.2c when running **Dexis** for the first time to set the acquisition mode to either the TWAIN interface or Direct Integration. Otherwise, proceed to paragraph 4.2d to acquire images via the Direct Integration mode or paragraph 4.2e to acquire images via **TWAIN**.

4.2c. From the **DEXIS Administration** window, select the *Tool Icon* from the main tool bar and observe that the **Preferences** window opens. Perform the following to set up each acquisition mode.

1. Make selections in the **Preferences** window as follows for Direct Integration:

   A. *X-ray Acquisition* option from the list on the left.

   B. *ScanX Intraoral* from the drop down menu on the top right.

   C. The **OK** tab to save selections and return to the **DEXIS Administration** window.

Direct Integration Setup

Drop Down Menu Selections
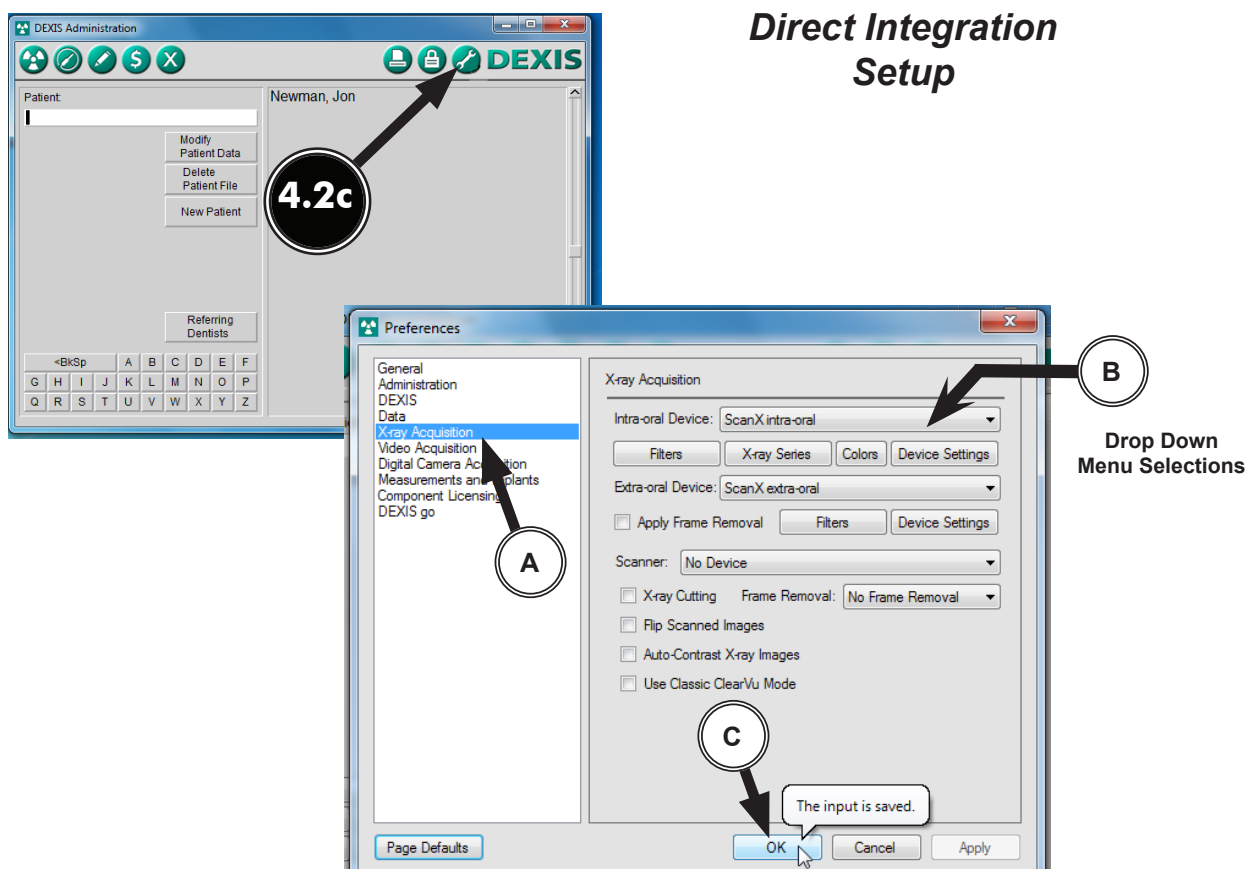
2. Make selections in the **Preferences** window as follows for TWAIN acquisition:

    A. ***X-ray Acquisition*** option from the list on the left.

    B. ***ScanX*** from the drop down menu on the top right.

    C. The **OK** tab to save selections and return to the **DEXIS Administration** window.
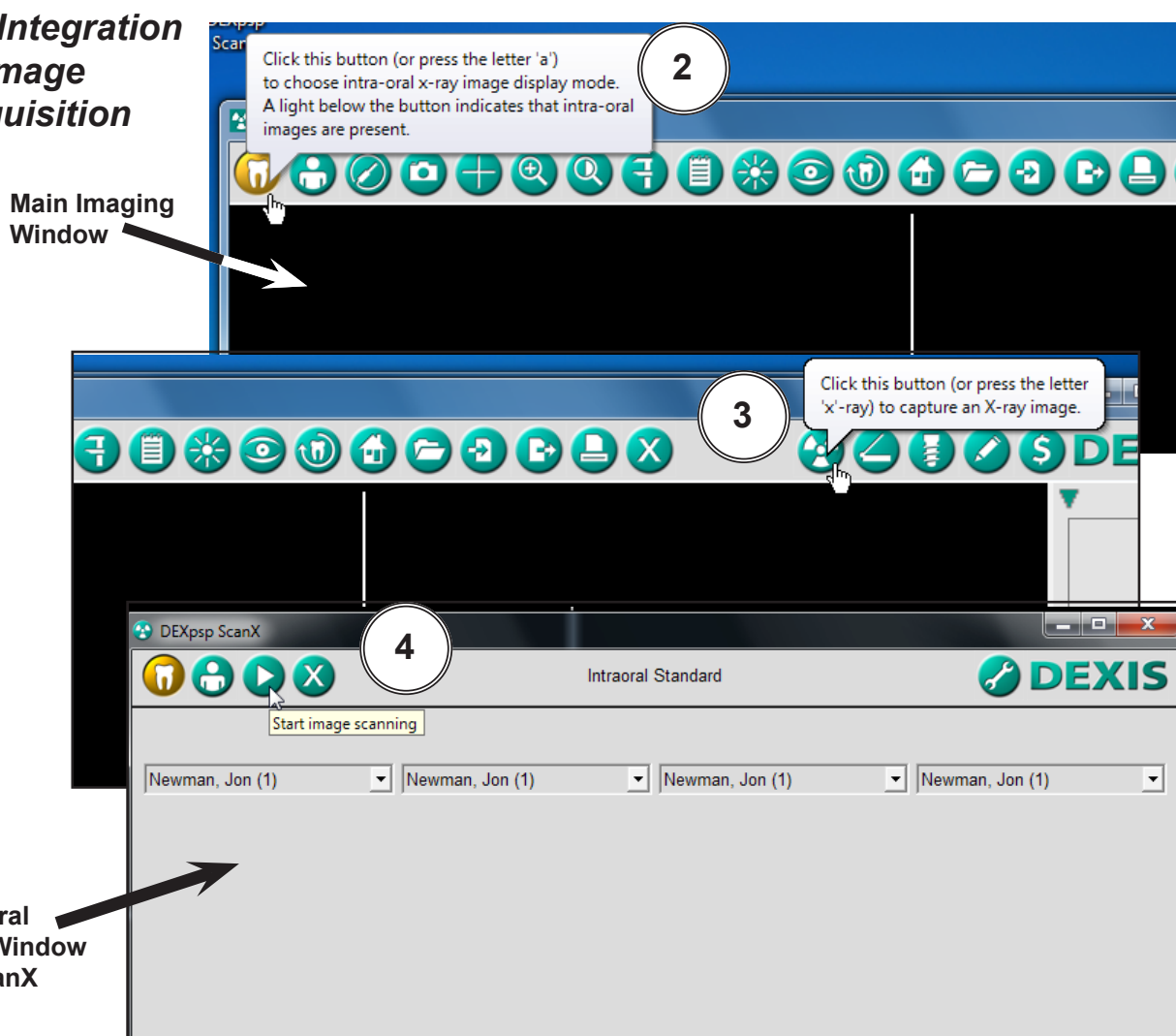
TWAIN Setup
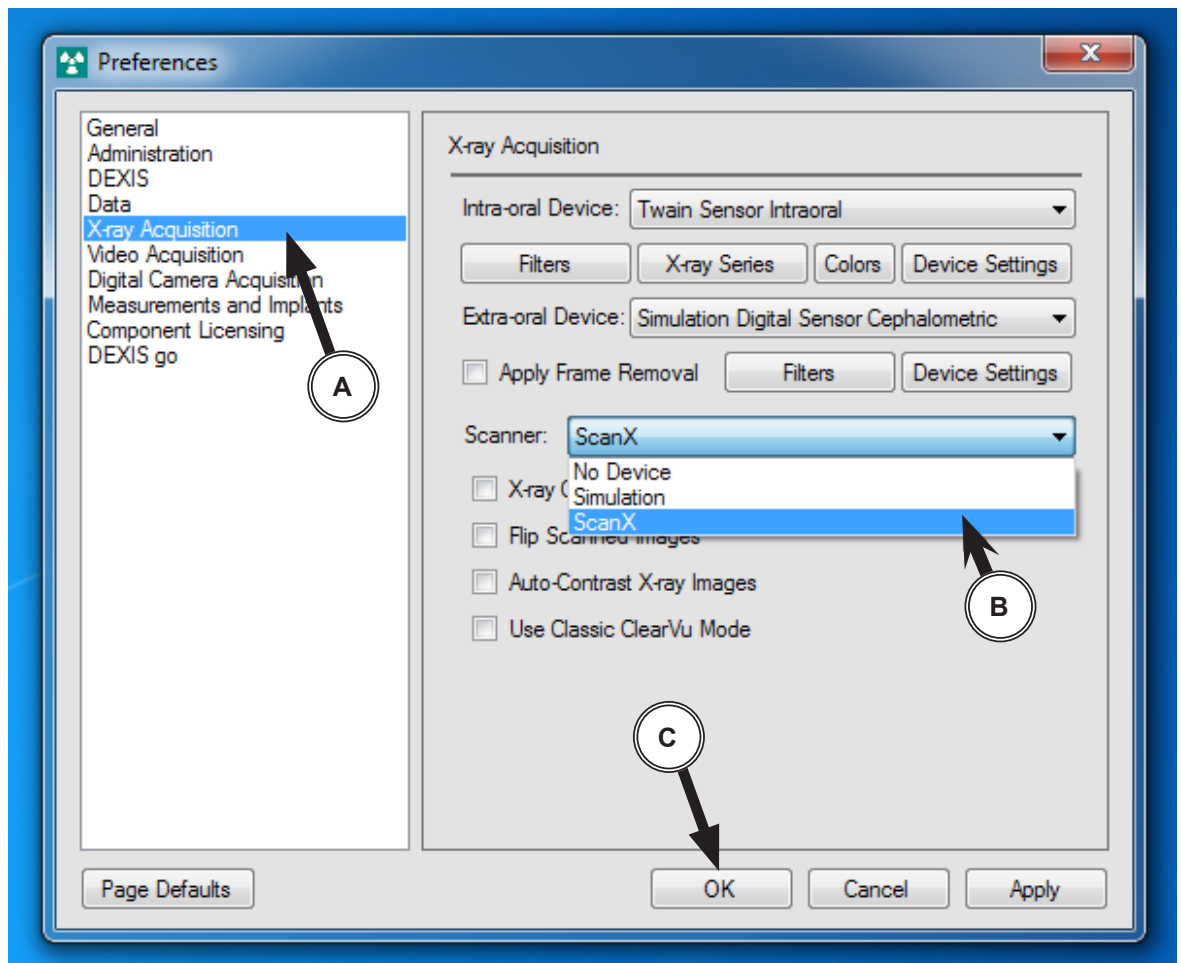
4.2d. Perform the image acquisition procedure provided below for Direct Integration as set in step 4.2c.

1. Start an image acquisition by selecting a patient (existing or newly created) as necessary and observe that the **Main Imaging** window opens.

2. Select the Tooth icon from the left of the tool bar of the **Main Imaging** window.
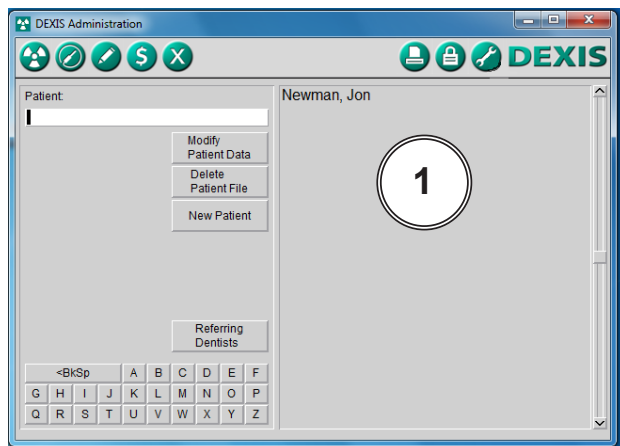
3. Select the Radiation icon from the right of the tool bar of the **Main Imaging** window. Observe that the *Intraoral Standard* window for ScanX opens.

4. Click the Play (triangle) icon from the left of the tool bar of the *Intraoral Standard* window. This starts the Direct Integration image scanning via the **Dexis** software.

Direct Integration Image Acquisition

Main Imaging Window

Intraoral Standard Window for ScanX

5. Veify that the active tracks of the ScanX illuminate green..

6. Observe that the PSP or PSPs being scanned are shown in the window.

7. When scanning is complete (no PSP shown in the window), select the Stop (X) icon from the left of the tool bar to close the application.
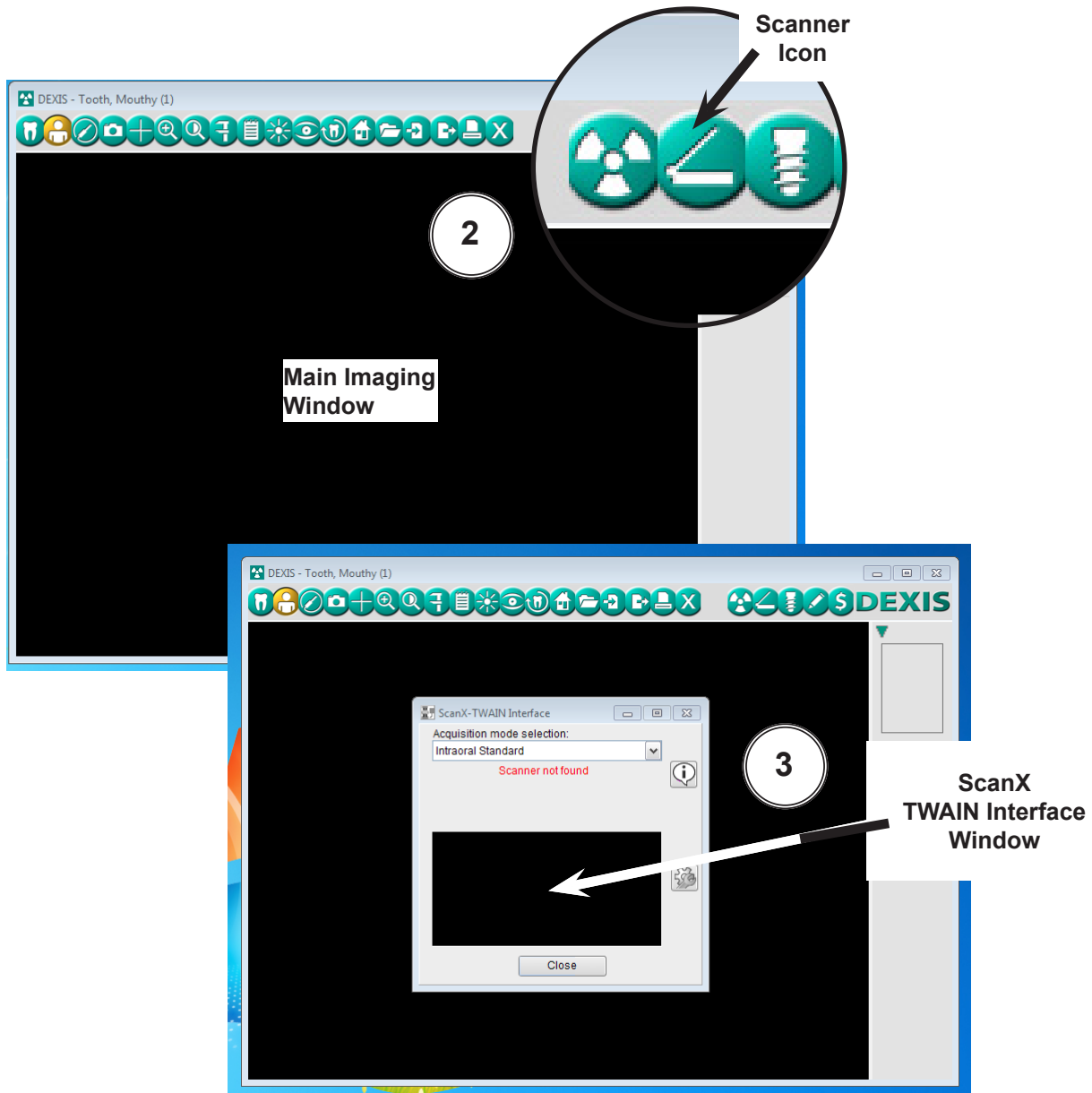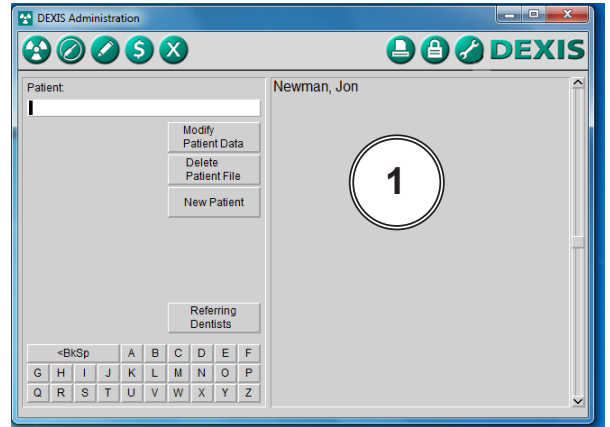
8. Observe that the *Assign Teeth* window.

> **NOTE:** If the resultant image is displayed mirrored, refer to Appendix A for the associated Image Mirror Control instructions to adjust image orientation for display as needed**.**
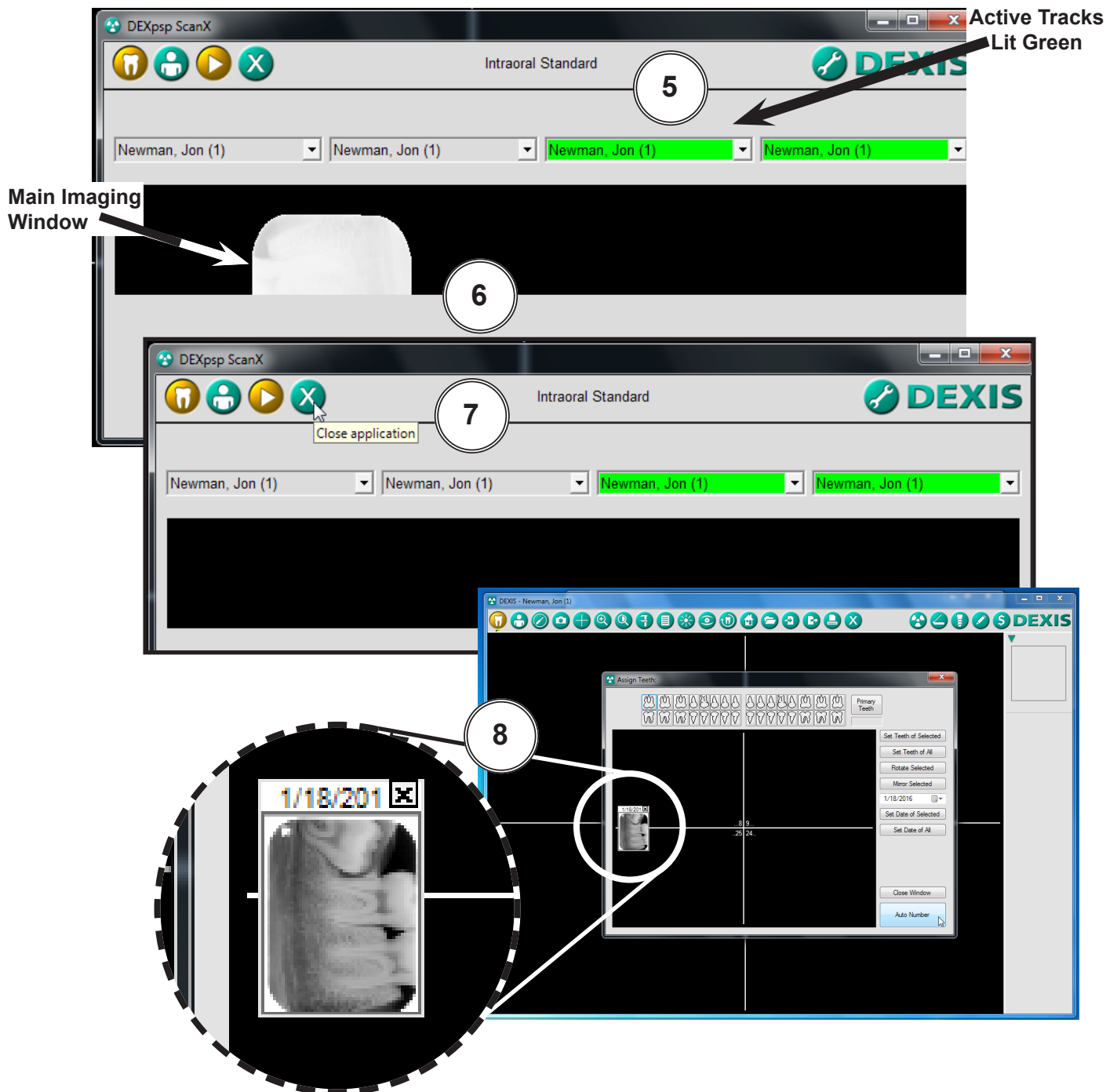
4.2e. Perform the image acquisition procedure provided below for **TWAIN** acquisition as set in step 4.2c.

1. Start an image acquisition by selecting a patient (existing or newly created) as necessary and observe that the **Main Imaging** window opens.

2. Select the Scanner icon from the right of the tool bar of the **Main Imaging** window.

3. Observe that the **ScanX-TWAIN interface** pop up window opens. Leave the **Intra-oral Standard** selection and scan a plate or multiple plates viewing the process via the **ScanX-TWAIN interface** window.

Scanner Icon

Main Imaging Window

ScanX TWAIN Interface Window

4. Observe that the VistaEasyView Main Image window opens once the first image is acquired. The image or images will remain until processed. Refer to paragraph 3.4, Using the TWAIN Interface (Source) with Third-Party Applications.

> **NOTE:** If the resultant image is displayed mirrored, refer to Appendix A for the associated Image Mirror Control instructions to adjust image orientation for display as needed.
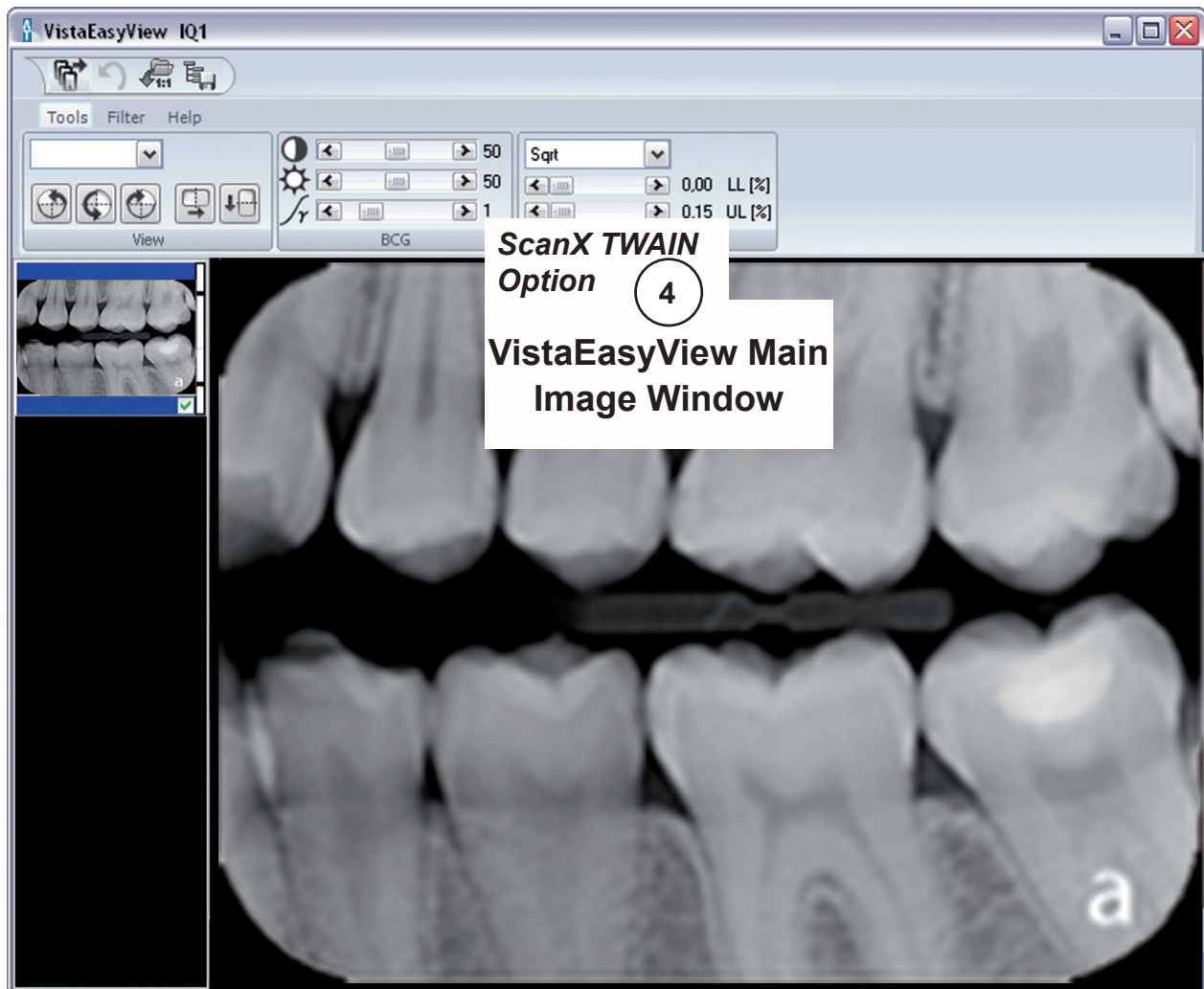
4.3. **Eaglesoft20 Setup for ScanX.** ScanX devices to acquire images via both TWAIN and Direct Integration.

4.3a. Make sure that the ScanX software has been installed and scanner selected in VistaConfig. Refer to the Device Setup, section 3, as necessary.

4.3b. The acquisition mode of the ScanX must be set up when running **Eaglesoft20** for the first time. Perform the steps of paragraph 4.3c to set up TWAIN. Direct Integration mode is set up by performing the procedures of paragraph 4.3d. Otherwise, proceed to paragraph 4.3.e to acquire images via the installed ScanX.

4.3c. Setup the ScanX to work with TWAIN in **Eaglesoft20** as follows.

1. Select *File* to open a drop down list of operational functions.

2. Select *Preferences* and observe a new window opens.

3. Select the **X-ray** tab.

4. Check the *"use scanner default interface"* check box.

5. Select the *Scanner* tab and observe that the **Select Source** pop up window opens.

6. Highlight the *ScanX* from the source list.

7. Click the *Select* button to select the TWAIN option as the source module and return to the **Preferences** window.

8. Select **OK** in the upper right hand corner to return to the main program window. The application is now set to acquire images via TWAIN.
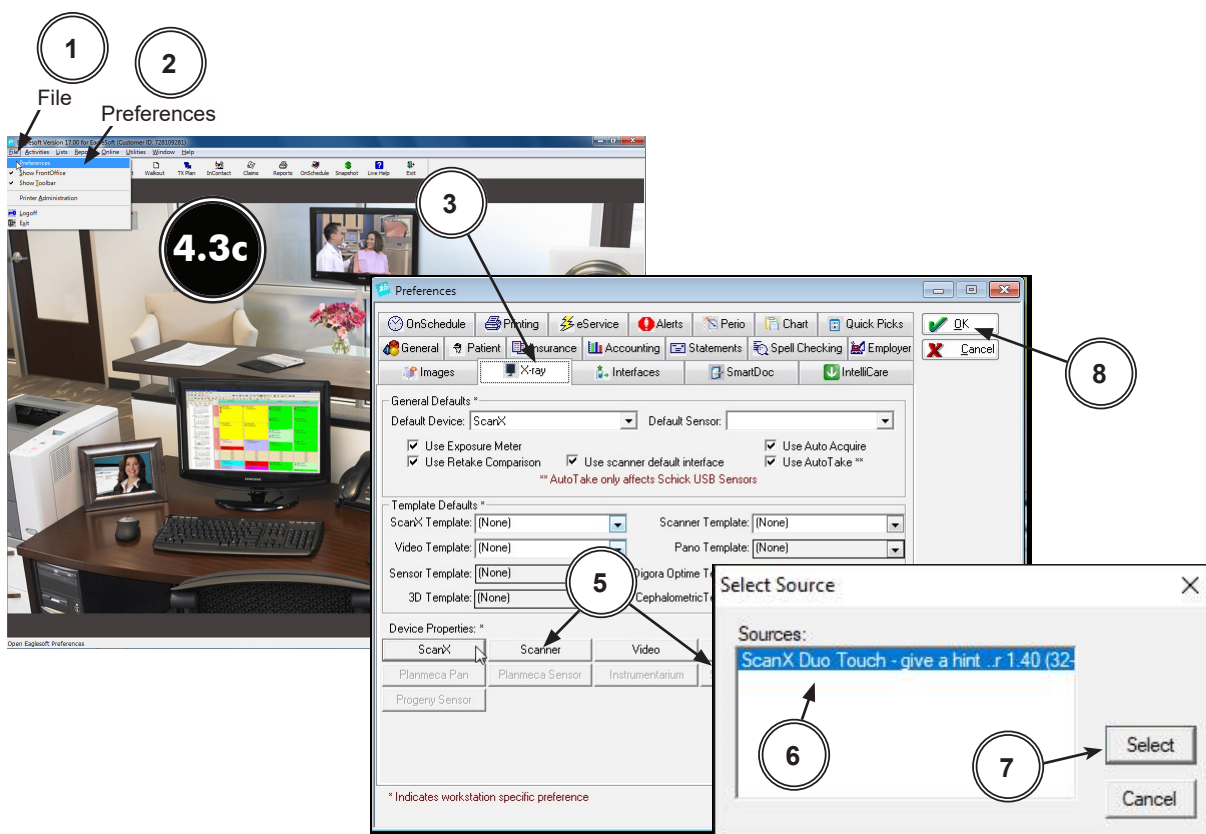
Important: EagleSoft's ScanX Integration module must be installed to enable Direct Integration.

NOTE: If you installed or updated EagleSoft after installing the ScanX software, please run the Update Library program that was included as part of the ScanX software.

4.3d. Setup the ScanX to work with Direct Integration acquisition mode in **Eaglesoft20** as follows.

1. Select *File* to open a drop down list of operational functions.

2. Select *Preferences* and observe a new window opens.

3. Select the **X-ray** tab and observe that the *ScanX* is shown as the Default Device.

4. Select the *ScanX* tab and observe that the *ScanX* **Properties** pop up window opens.

5. Close the *ScanX* **Properties** window by selecting the *Save* tab in the upper right hand corner.

6. Select **OK** in the upper right hand corner of the **Preferences** window to return to the main program window. The application is now set to acquire images via Direct Integration.
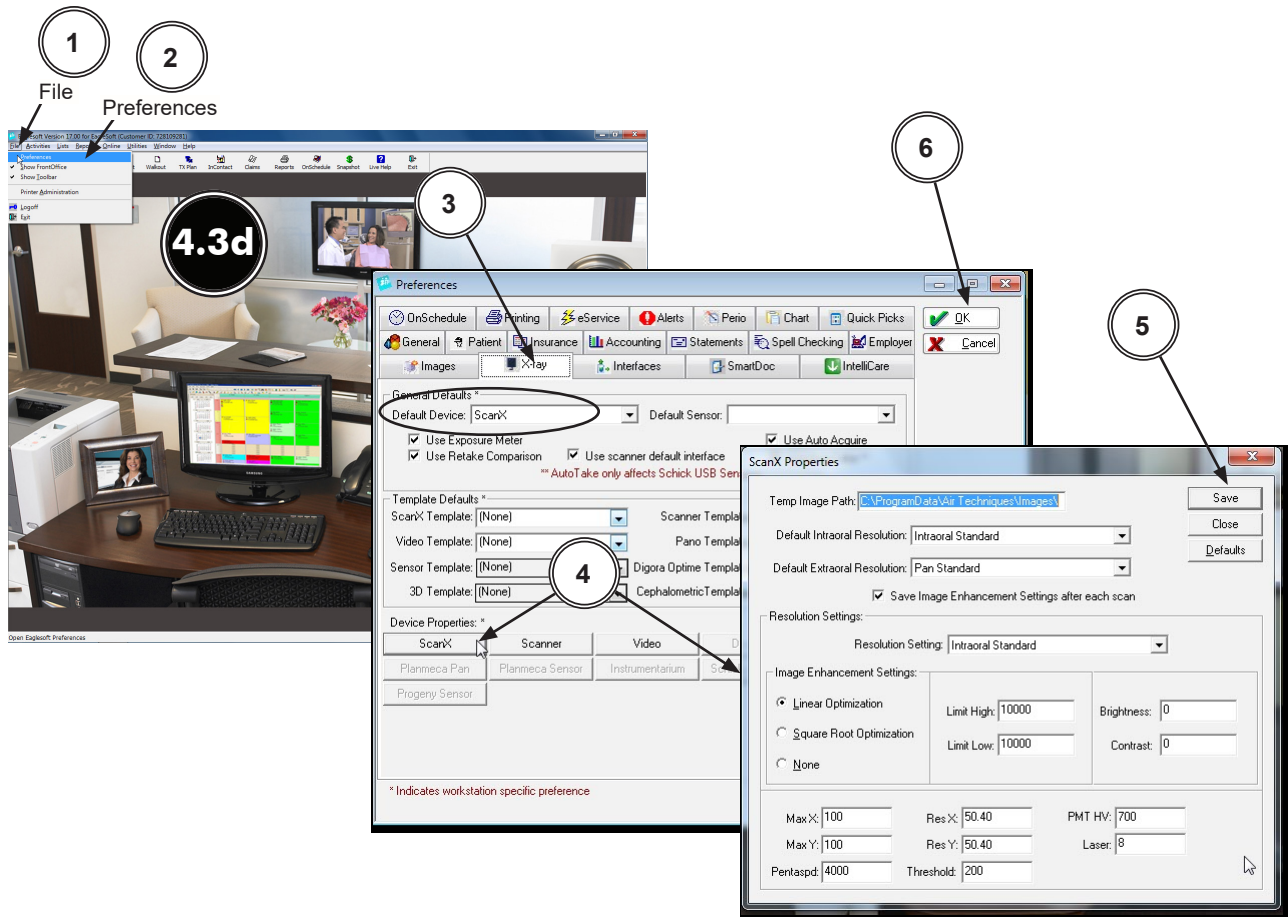
> **Note:** Refer to **Eaglesoft** documentation for detail description for adding and configuring of user specific templates.

**4.3e.** Add/configure a template by performing the following steps.

1. Select the **Other Template** listing from the lower left of the window.

2. Observe that a **Image Template List** pop up window appears with a template listing. Select desired ScanX template from list.

3. Select the **Edit** tab from the lower center of the pop up window and observe that the **Edit Image Template** window appears. Modify template for ScanX as required.

4. Rename the template as desired by changing the **Image Template Description** input located in the upper center of the window.

5. Make sure that **Scanner** is selected for the **Default Source** drop down menu located in the lower right of the window.

6. With **Scanner** selected, make sure the **Add To New Exams Bar** check box is checked.

7. Accept the ScanX specific pre-designed template addition by selecting the **OK** button located in the bottom of the **Edit Image Template** window.
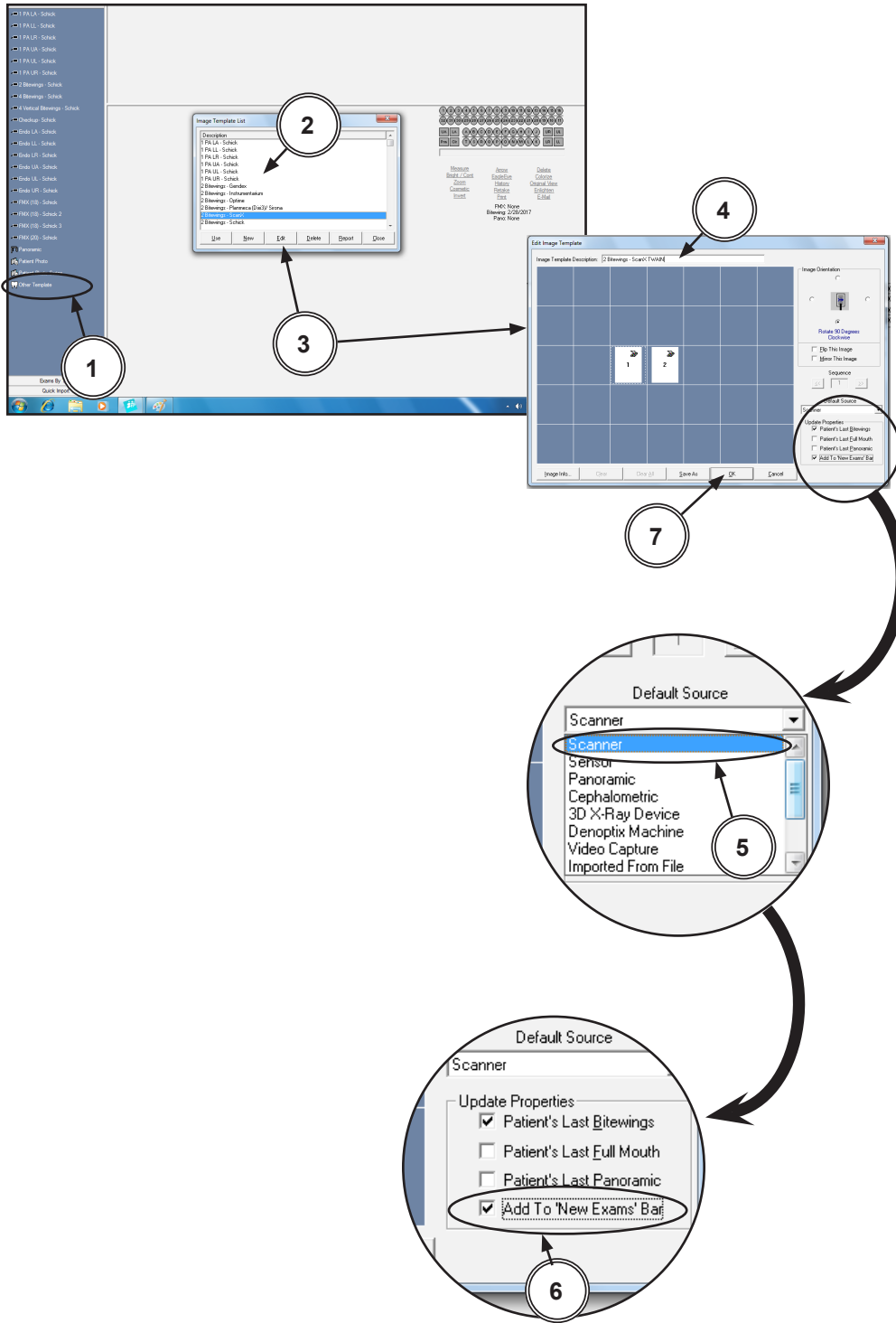
4.3f.   Acquire an image from the ScanX by performing the procedures provided below.   If needed, refer to paragraph 4.3c to setup EagleSoft to work via TWAIN or paragraph 4.3.d for Direct Integration.

1. Start image acquisition by selecting a patient (existing or newly created).

2. Select the **Vw Images** icon and observe that the **Advanced Imaging** window opens.

3. Select the **New Exams** tab from the lower left of the window and observe that a listing of template options appear.

4. Select the pre-designed template option for a specific exam.
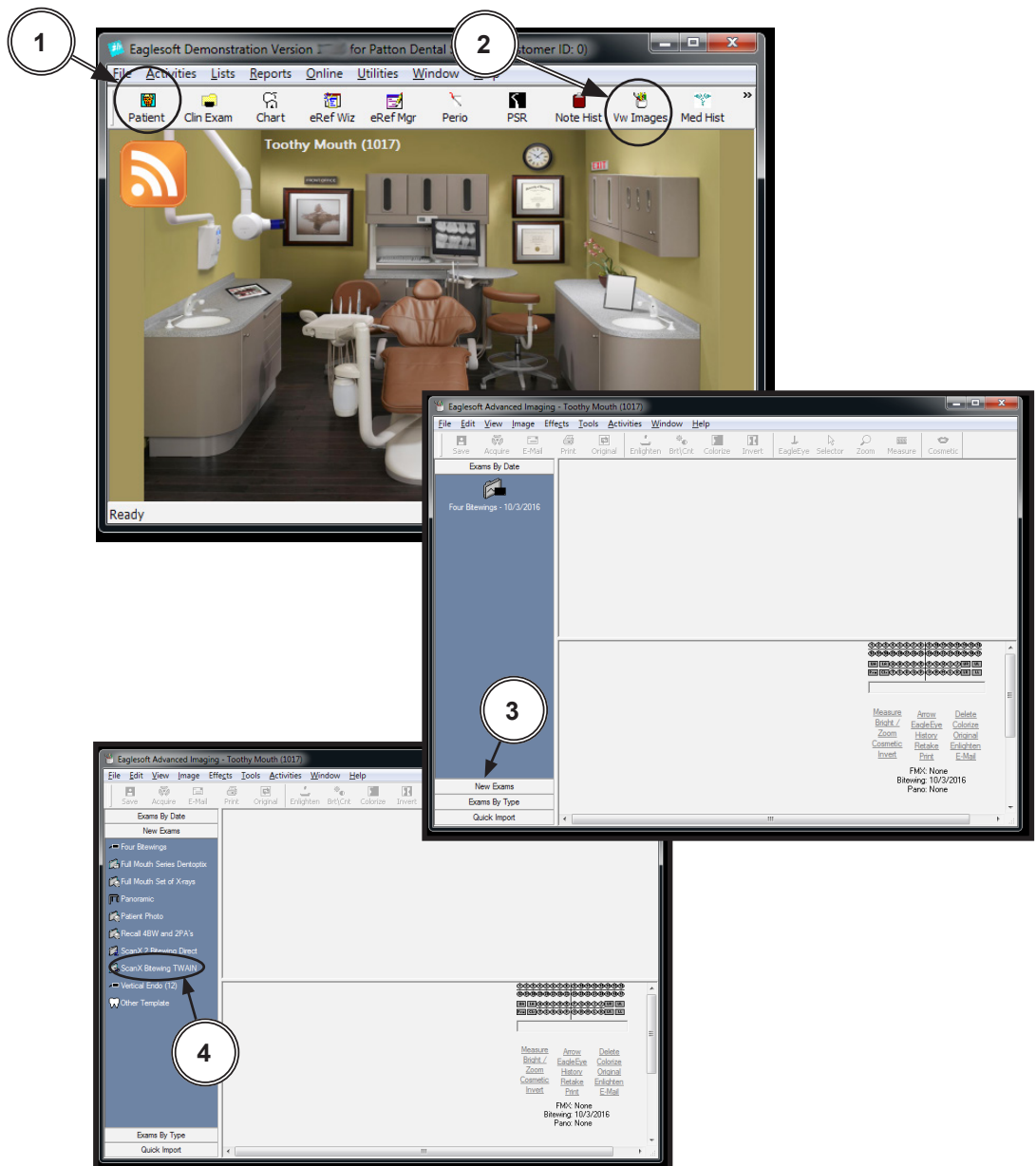
5. Select the **Acquire** icon and observe that the ***ScanX-TWAIN interface*** or ScanX Preview window opens. Scan a plate or multiple plates.

6. For TWAIN acquisition, observe that the VistaEasyView Main Image window opens once the first image is acquired. The image or images will remain until processed. Refer to paragraph 3.4, Using the TWAIN Interface (Source) with Third-Party Applications.
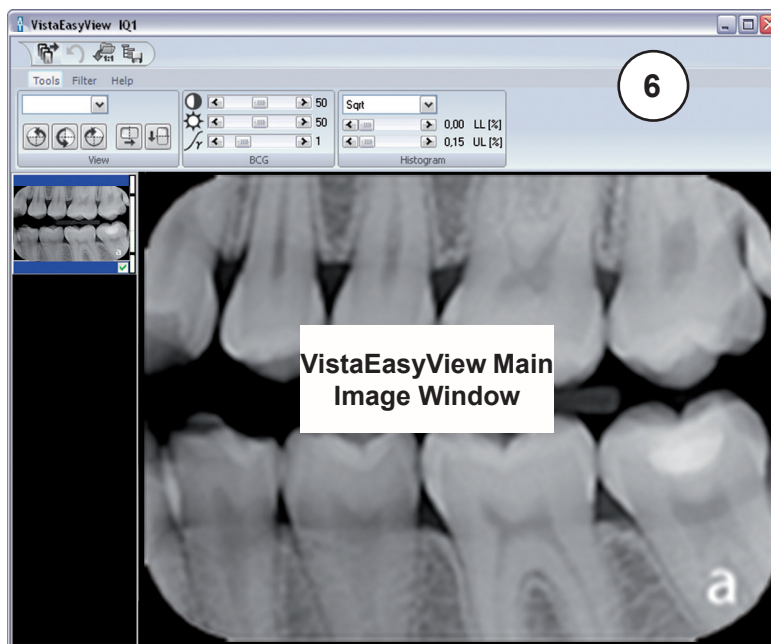
> **NOTE:** If the resultant image is displayed mirrored, refer to Appendix A for the associated Image Mirror Control instructions to adjust image orientation for display as needed.
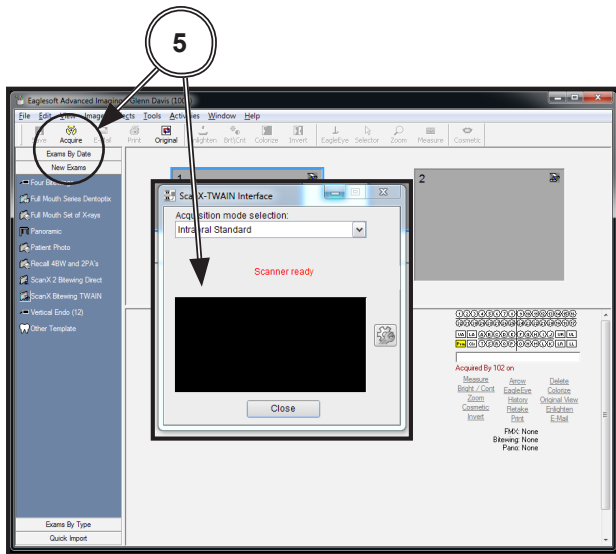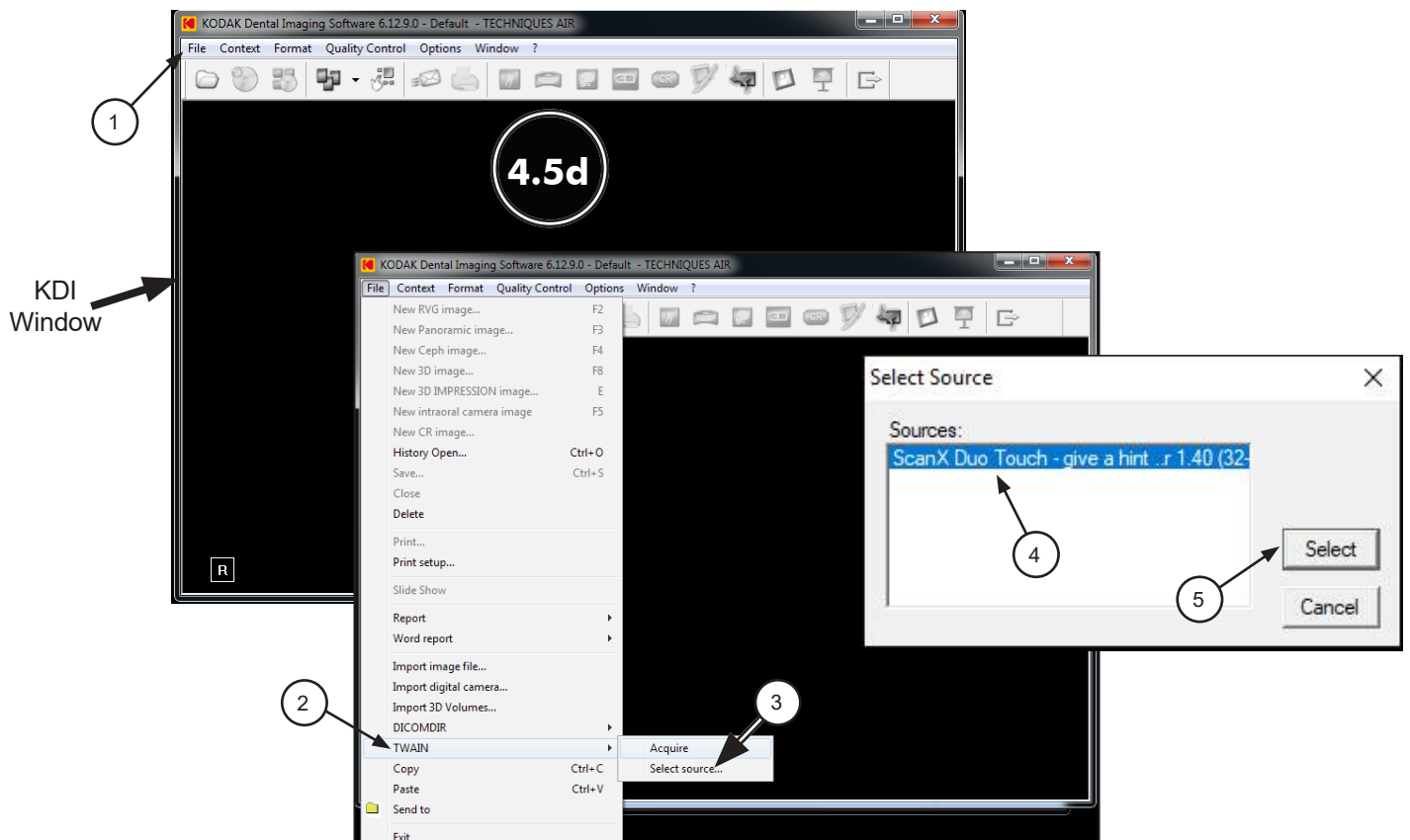

TWAIN Acquisition
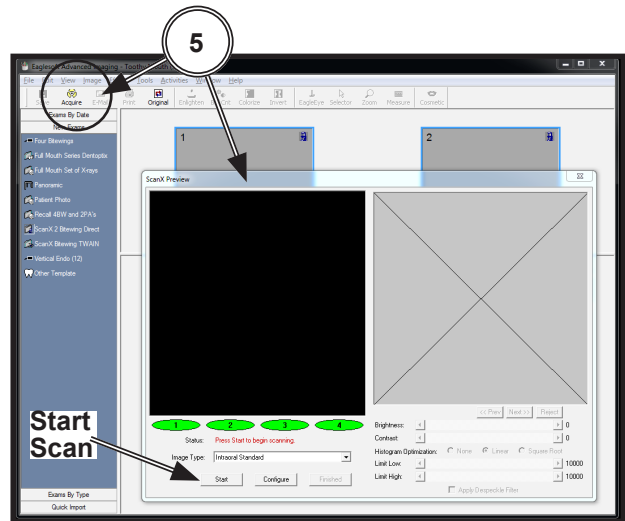
Direct Integration

4.4. **KODAK Dental Imaging (KDI) Software Setup for ScanX** This software allows ScanX to acquire images via TWAIN. Set up KDI as follows:

4.4a. Make sure that the ScanX software has been installed and scanner selected in VistaConfig. Refer to the Device Setup, section 3, as necessary.

4.4b. Start the application and observe that the *KDI* window displays.

4.4c. Perform the steps of paragraph 4.4d when running *KDI* for the first time. Otherwise, proceed to paragraph 4.4e to acquire images via the installed ScanX.

4.4d. Setup the ScanX device to work with *KDI* for the first time by performing the following.

1. Select *File* to open a drop down list of operational functions.
2. Select *Twain* from the menu list
3. Choose *Select source...* and observe that the *Select Source* window opens.
4. Highlight the appropriate ScanX from the source list.
5. Click the *Select* button to set ScanX as the source for the capture device. Observe that the *Select Source* window closes and the *KDI* window returns.
6. Proceed to paragraph 4.4e to acquire images via the installed ScanX.

NOTE: If the resultant image is displayed mirrored, refer to Appendix A for the associated Image Mirror Control instructions to adjust image orientation for display as needed.

4.4e. Acquire images using *KDI* by performing the following procedure.

1. Click the **Acquisition Icon** located on the top tab of the *KDI* window.

2. Observe that the *ScanX-TWAIN interface* pop up window opens.

3. Leave the *Intraoral Standard* selection and scan a plate or multiple plates viewing the process via the *ScanX-TWAIN interface* window.

4. Observe that the VistaEasyView Main Image window opens once the first image is acquired. The image or images will remain until processed. Refer to paragraph 3.4, Using the TWAIN Interface (Source) with Third-Party Applications.

NOTE: If the resultant image is displayed mirrored, refer to Appendix A for the associated Image Mirror Control instructions to adjust image orientation for display as needed.
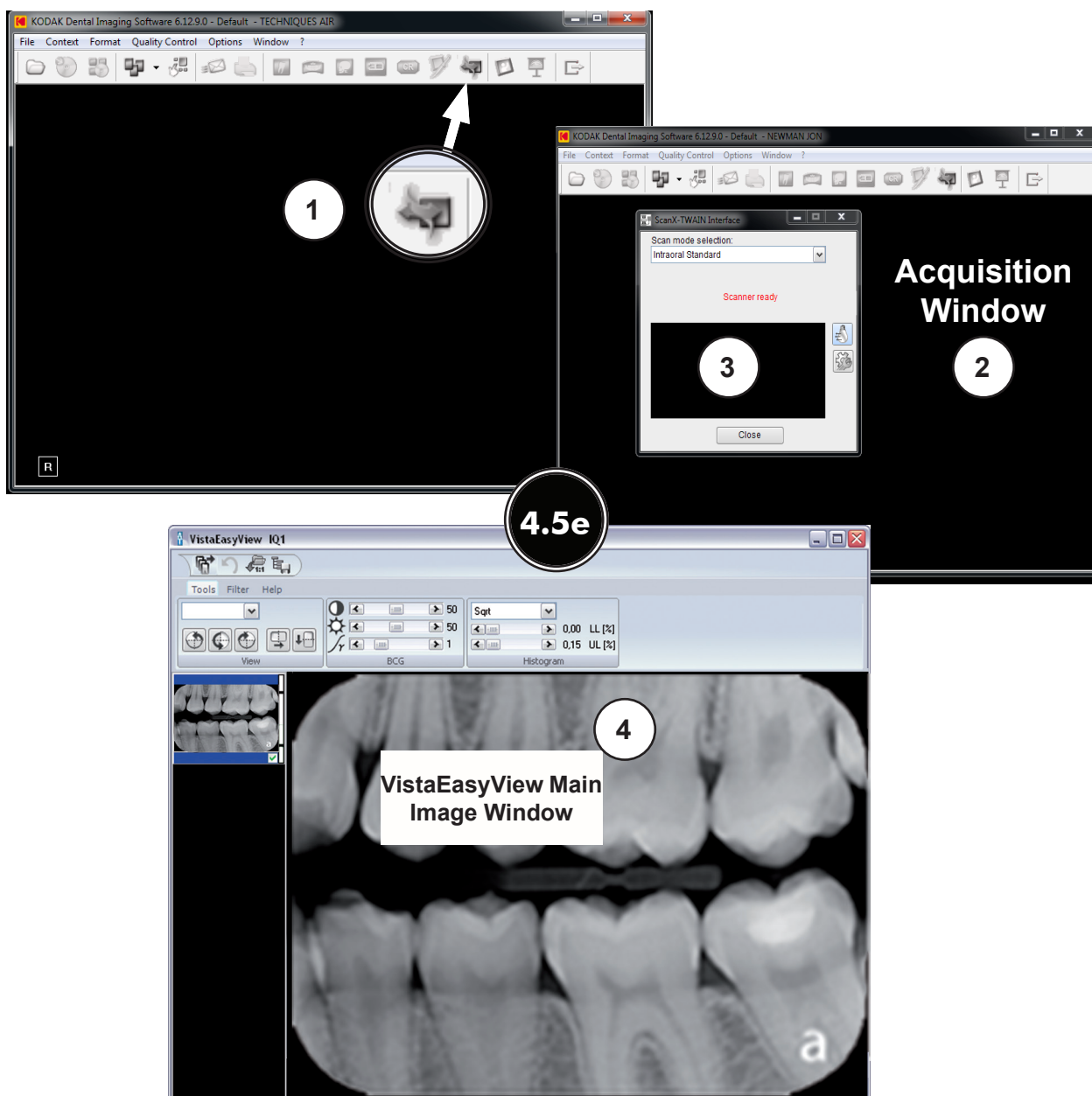
NOTE: If you installed or updated TigerView after installing the ScanX software, please run the Update Library program that was included as part of the ScanX software.

4.5. *Tigerview* **Pro Setup for ScanX.** This software allows ScanX devices to acquire images via both TWAIN and Direct Integration.

4.5a. Make sure that the ScanX software has been installed and scanner selected in VistaConfig. Refer to the Device Setup, section 3, as necessary.

4.5b. Perform the steps of paragraph 4.5c when running *Tigerview* **Pro** for the first time. Otherwise, proceed to paragraph 4.5d to acquire images via the installed ScanX.

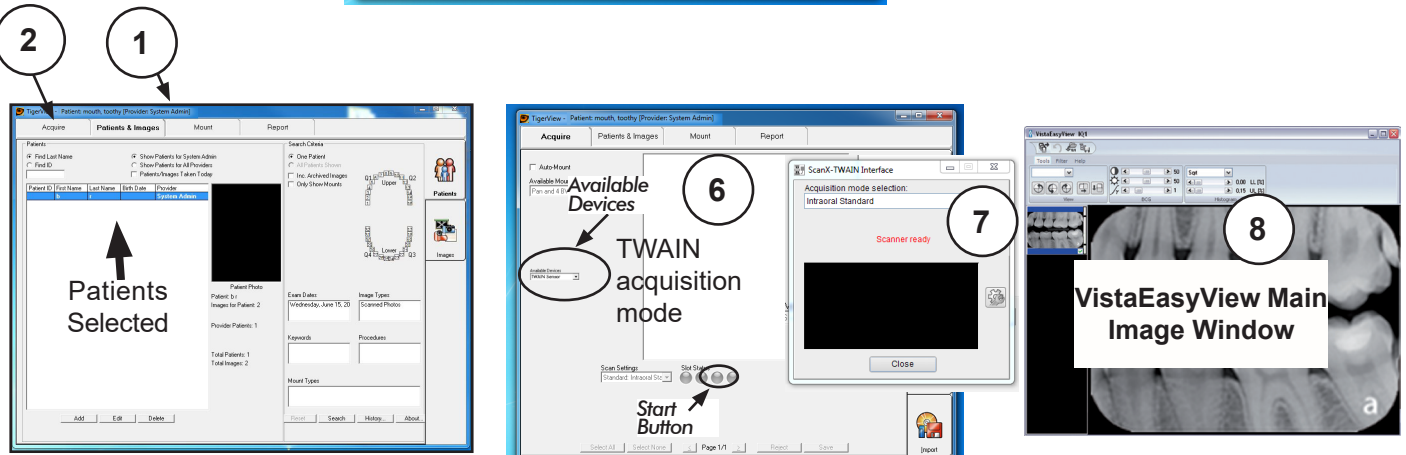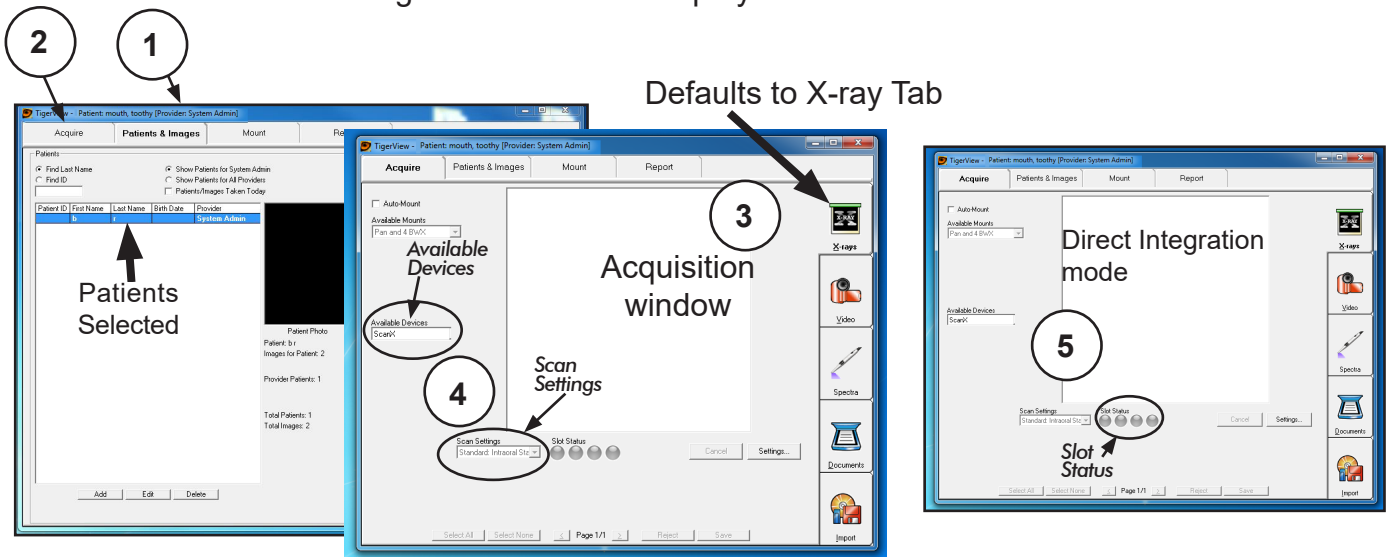**4.5c.** Setup ScanX to work with *Tigerview* **Pro** for the first time by performing the following.

1. Click the Windows *Start* button and select *All Programs* from the menu.

2. Select the *Tigerview* listing to display the *Tigerview* **Administration** option.

3. Click *Tigerview* **Administration**, which opens the *Tigerview* **Administration** *Wizard* window. Choose *Acquisition Hardware Configuration* and click Next.

4. Select *Flatbed Scanner w/o Transparency Adapter* and click Next.

5. No selections are needed in the new window that opens. Just click Next to continue.

6. Select *Hardware Checked Below*, choose *ScanX* from the menu and click Next.

7. No selections are needed in the new window that opens. Just click Next to continue.

8. Select *X-ray Acquisition* and click Finish to complete the setup.

9. Proceed to paragraph 4.5d to acquire images via the installed ScanX.
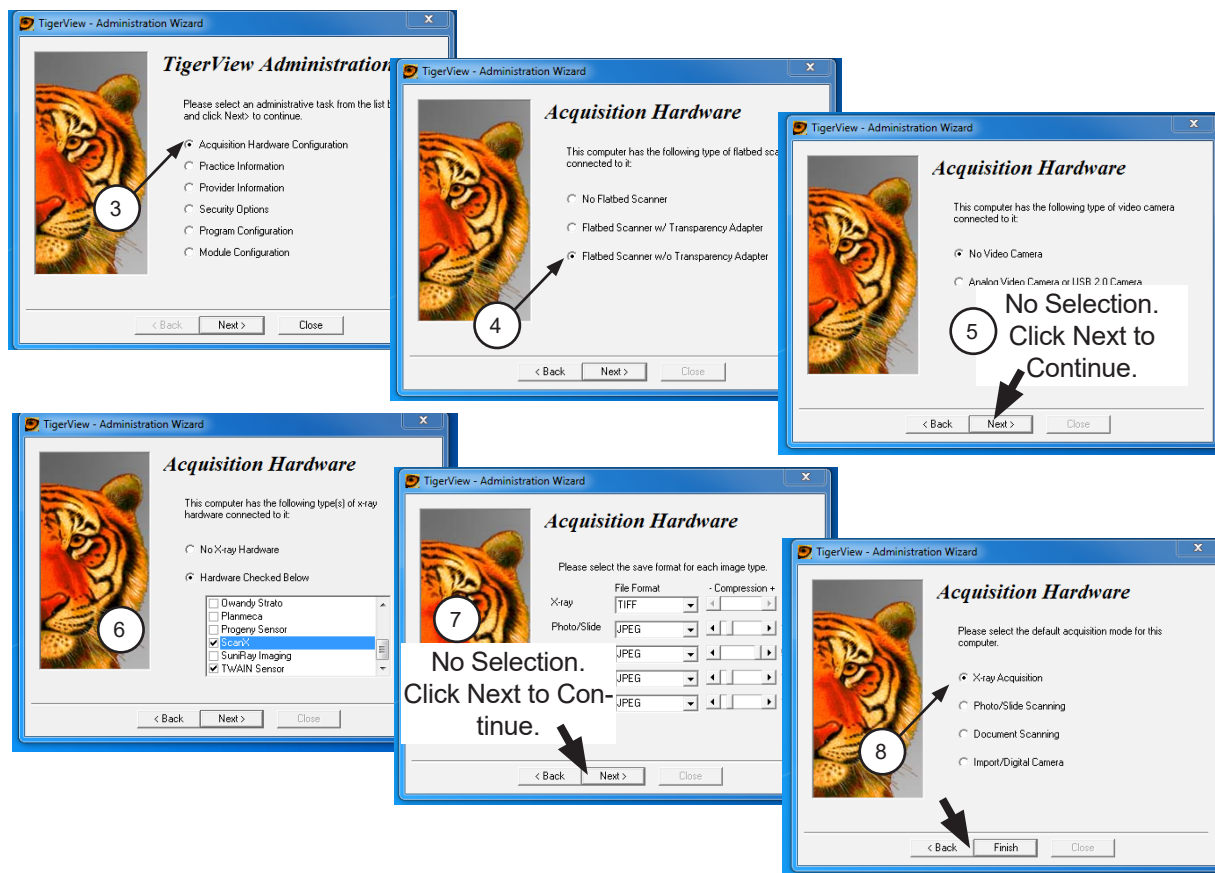
4.5d. Perform the steps 1 through 5 to acquire images via Direct Integration.

1. Start the application and observe that the ***Tigerview* Pro *Patient*** window displays.
2. With a patient selected, click the ***Acquire*** tab.
3. Observe that the ***Acquisition*** window opens with the X-ray Tab selected.
4. Select ScanX from the ***Available Devices***. Verify that the associated ***Scan Settings*** drop down shows ***Standard Intraoral plate*** selected.
5. Simply start scanning plates observing the ***Slot Status*** indicators for scan progress during the Direct Integration mode.

> **NOTE:** If the resultant image is displayed mirrored, refer to Appendix A for the associated Image Mirror Control instructions to adjust image orientation for display as needed.

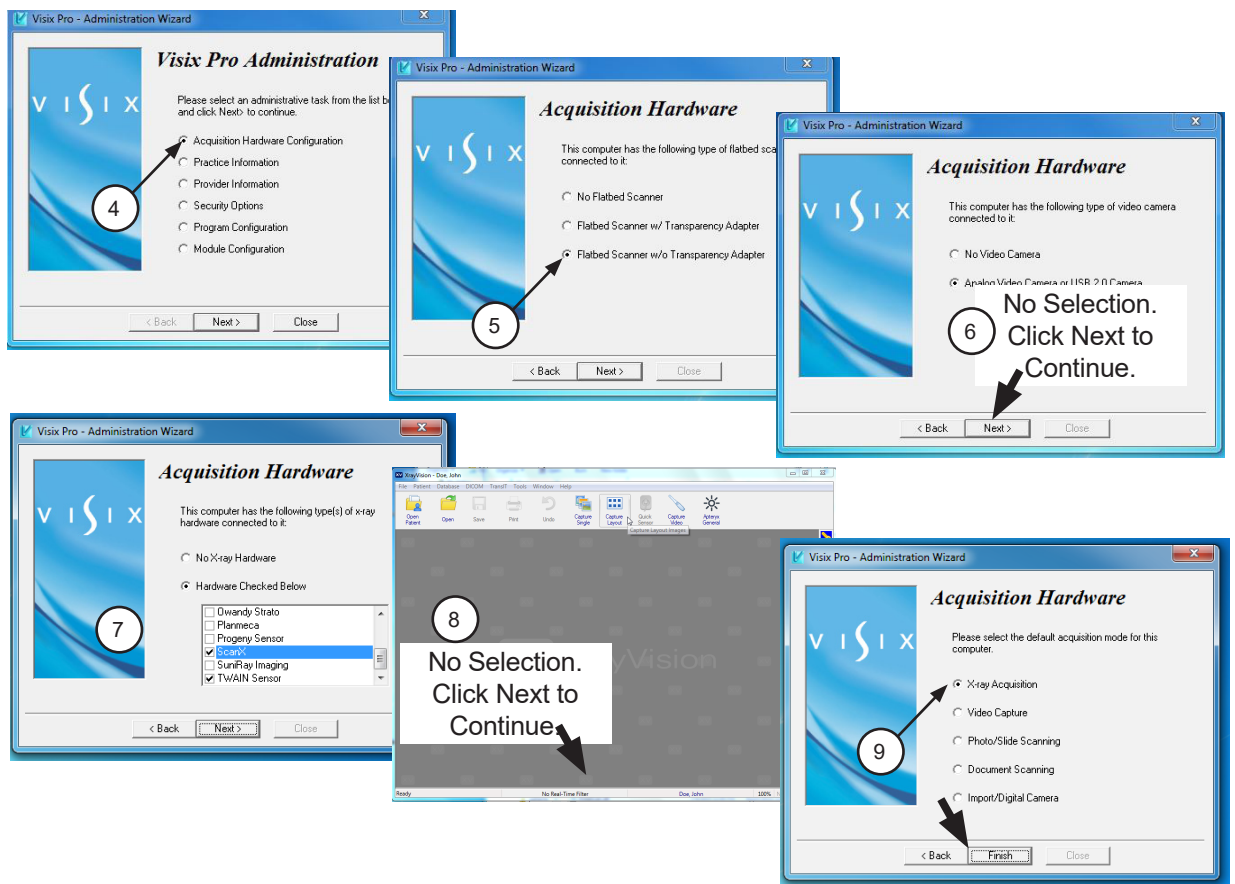**4.5e.** Perform steps 1, 2, 6 through 8 to acquire images via TWAIN.

6. Set TWAIN acquisition mode by selecting ***TWAIN Sensor*** from the **Available Devices** drop down listing. Verify that the **TWAIN Devices** drop down shows ***ScanX*** selected. With the TWAIN acquisition mode set, select the ***Start*** button and observe that the ***ScanX-TWAIN interface*** pop up window opens.
7. Start scanning plates viewing the process via the ScanX-TWAIN interface window.
8. Observe that the VistaEasyView Main Image window opens once the first image is acquired. The image or images will remain until processed. Refer to paragraph 3.4, Using the TWAIN Interface (Source) with Third-Party Applications.

Important: The Visix ScanXConfig utility must be run to enable Direct Integration.

NOTE: If you installed or updated Visix Pro after installing the ScanX software, please run the Update Library program that was included as part of the ScanX software.

4.6. VISIX Pro Setup for ScanX. This software allows ScanX devices to acquire images via both TWAIN and Direct Integration.

4.6a. Make sure that the ScanX software has been installed and scanner selected in VistaConfig. Refer to the Device Setup, section 3, as necessary.

4.6b. Perform the steps of paragraph 4.6c when running **VISIX Pro** for the first time. Otherwise, proceed to paragraph 4.6d to acquire images via the installed ScanX.

4.6c. Setup ScanX to work with **VISIX Pro** for the first time by performing the following.

1. Click the Windows **Start** button and select All Programs from the menu.
2. Select the **Visix** listing and observe that the **Visix Administration** option appears.
3. Click **Visix Administration**, which opens the **Visix Pro Administration** window.
4. Choose **Acquisition Hardware Configuration** and click Next.
5. Select **Flatbed Scanner w/o Transparency Adapter** and click Next
6. No selections are needed in the new window that opens. Just click Next to continue.
7. Select **Hardware Checked Below**, choose **ScanX** and/or **TWAIN Sensor** from the menu and click Next.
8. No selections are needed in the new window that opens. Just click Next to continue.
9. Select **X-ray Acquisition** and click Finish to complete the setup.
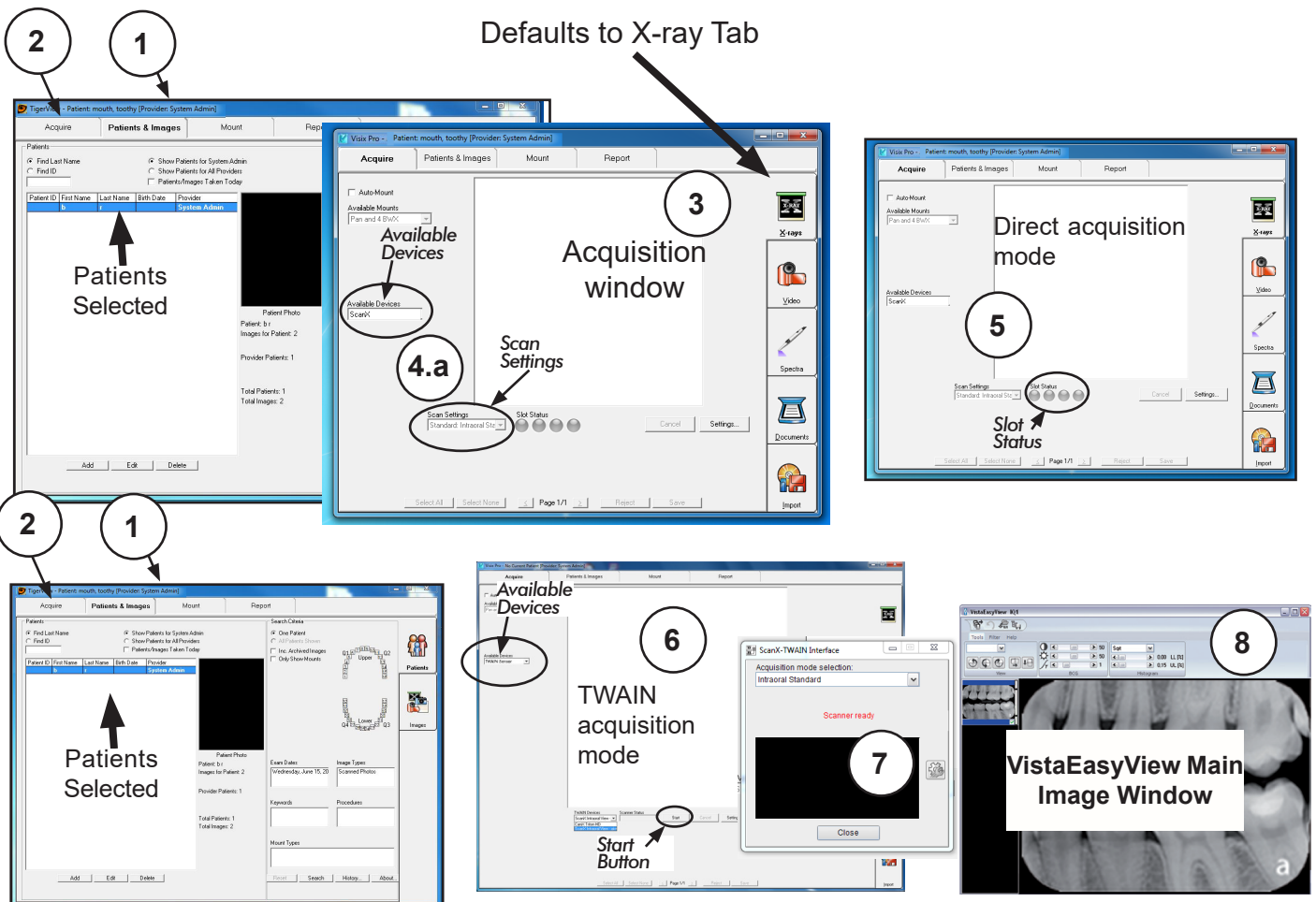10. Proceed to paragraph 4.6d to acquire images via the installed ScanX.

by selecting **ScanX**.

4.6d. Perform the steps 1 through 5 to acquire images via Direct Integration.

1. Start the application and observe that the **VISIX Pro Patient** window displays.
2. With a patient selected, click the **Acquire** tab.
3. Observe that the **Acquisition** window opens with the X-ray Tab selected.
4. Set the Direct Integration mode by selecting **ScanX** from the **Available Devices** drop down. Verify that the associated **Scan Settings** drop down shows **Standard Intraoral plate** selected.
5. Simply start scanning plates observing the **Slot Status** indicators for scan progress during the Direct acquisition mode.

4.6e. Perform steps 1, 2, 6 through 8 to acquire images via TWAIN.

6. Set TWAIN acquisition mode by selecting **TWAIN Sensor** from the **Available Devices** drop down listing. Verify that the **TWAIN Devices** drop down shows **ScanX** selected. With the TWAIN acquisition mode set, select the **Start** button and observe that the **ScanX-TWAIN interface** pop up window opens.
7. Start scanning plates viewing the process via the **ScanX-TWAIN interface** window.
8. Observe that the VistaEasyView Main Image window opens once the first image is acquired. The image or images will remain until processed. Refer to paragraph 3.4, Using the TWAIN Interface (Source) with Third-Party Applications.

> **NOTE:** If the resultant image is displayed mirrored, refer to Appendix A for the associated Image Mirror Control instructions to adjust image orientation for display as needed.

This section provides information on the Image Mirror Control used in each third party imaging software covered in this manual. The mirror control function allows the user the ability to select and adjust image orientation for display as needed. The user should consult the manufacturer user documentation provided with the associated imaging management software for further information specific to image mirror control.
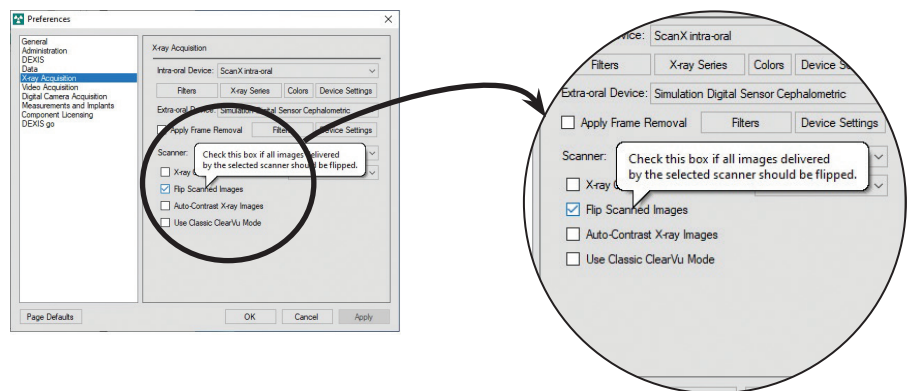
APTERYX

This Image Mirror Control is located on the Toolbox as the **Flip Horizontal** tab shown at right.
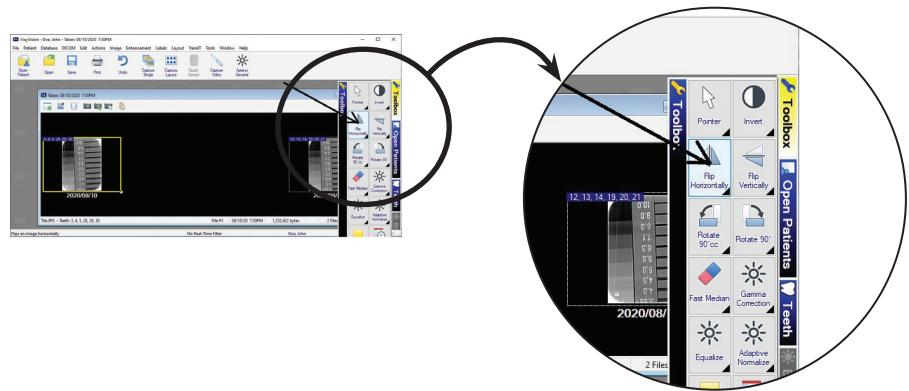

DEXIS

This Image Mirror Control is accessed from the **DEXIS Administration** window, select the *Tool Icon* from the main tool bar and observe that the **Preferences** window opens. Check or deselect the **Flip Scanned Images** to display image as needed.

EAGLESOFT

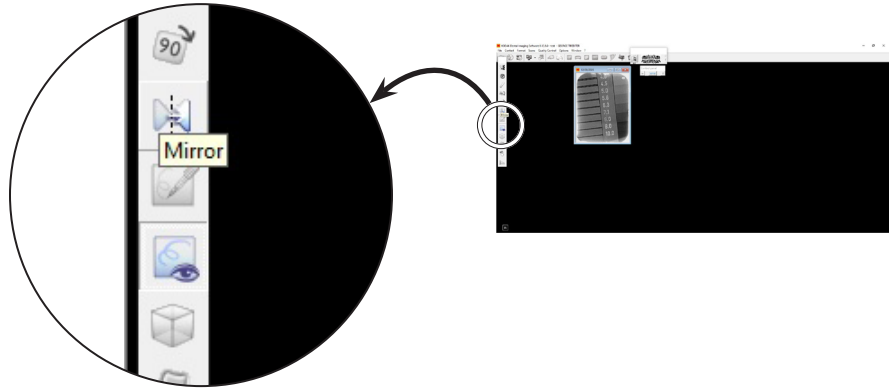This Image Mirror Control is accessed from a drop down list shown when the image is right-click.

Select or deselect **Mirror** from drop down list to display image as needed.
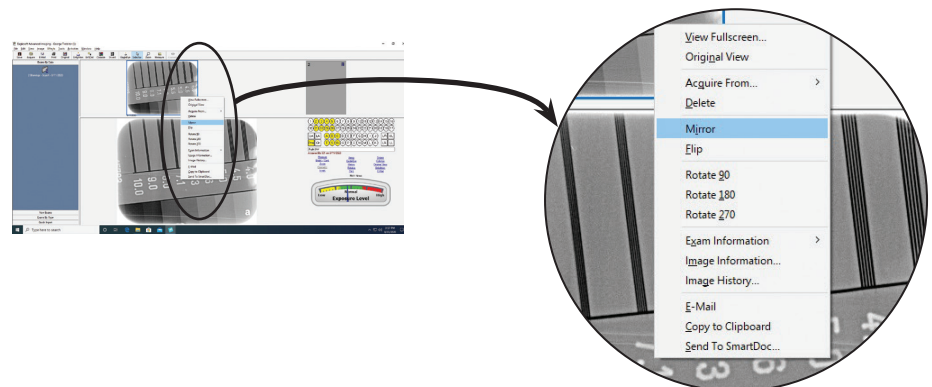
KODAK DENTAL IMAGING

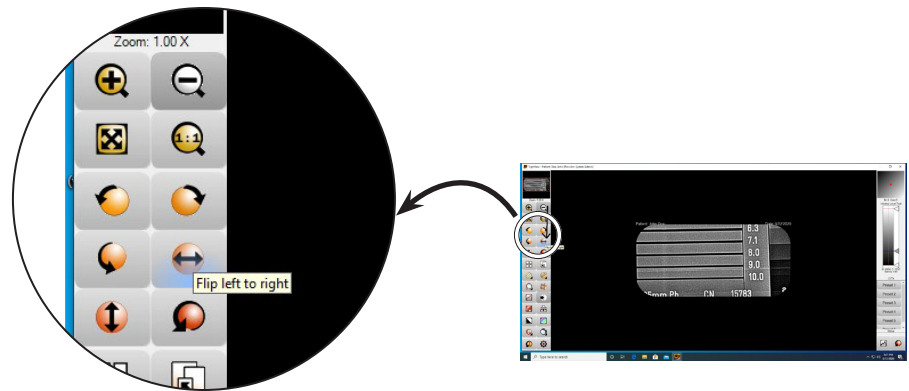This Image Mirror Control is located on the Toolbar as the **Mirror** shown at right.

Select or deselect the **Mirror** tab to display image as needed.

TIGERVIEW

This Image Mirror Control is located on the Toolbar as the **Flip left to right** tab shown at right.
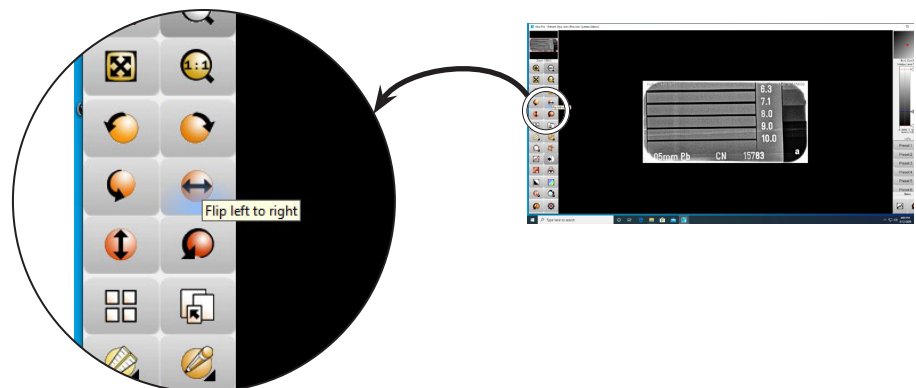
Select or deselect the **Flip left to right** tab to display image as needed.

VISIX PRO

This Image Mirror Control is located on the Toolbar as the **Flip left to right** tab shown at right.

Select or deselect the **Flip left to right** tab to display image as needed.

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