If you purchased your computer through Quick Ceph Systems, the scanner software will be installed and ready to use. Skip the install section and go to "Setting Up The Scanner Interface". Unpack the scanner and attach the transparency adapter to the scanner. Make sure that you have unlocked both the scanner and transparency adapter. Plug in the scanner and attach the USB cable from the scanner to the USB port on the computer or USB hub.
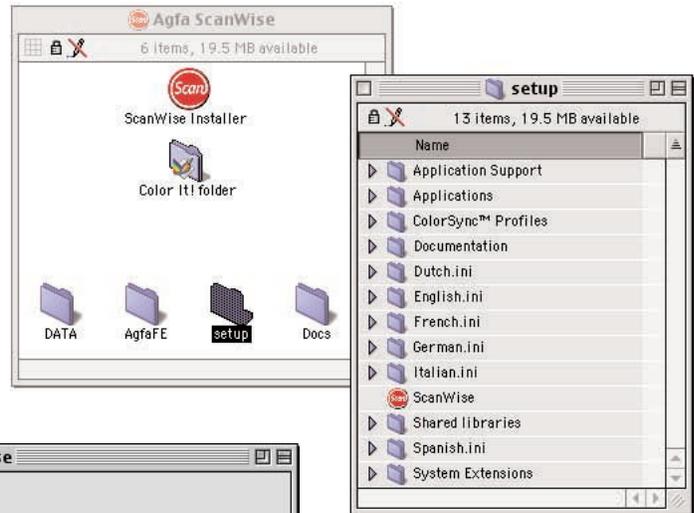
INSTALLING SOFTWARE

1 Now that you have connected the scanner to the computer, it is time to install the scanner software. Insert the Agfa ScanWise CD-ROM. The CD-ROM icon will appear on the desktop. Double-click on the icon.
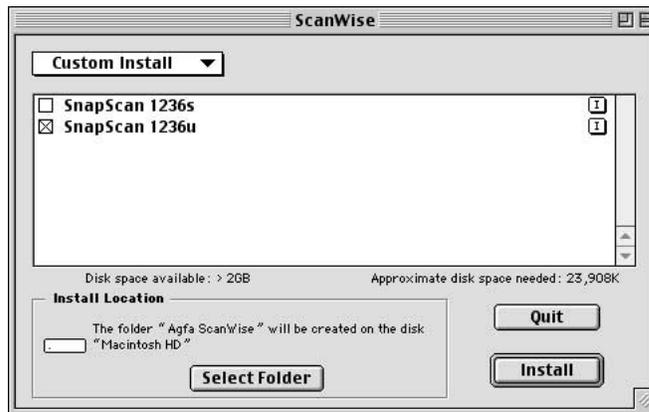
2 Next, locate and open the "setup" folder. You may have to scroll to the bottom of the CD-ROM window. Find the ScanWise application and double-click on the icon to start the installation process.
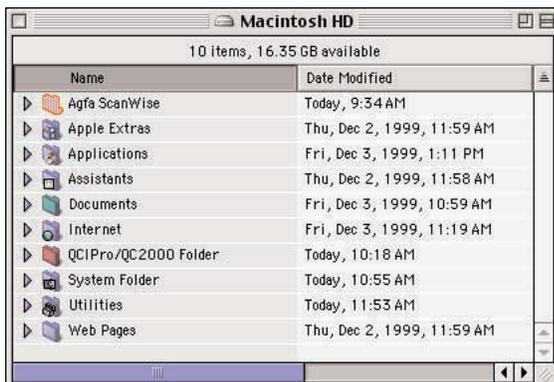
3 The installer interface window will appear, as shown below. Select the Agfa model you are using and click on the "Install" button.
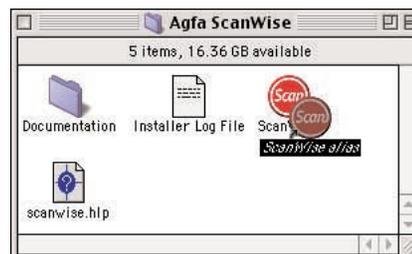
NOTE: If you have PhotoShop installed on the system, the computer will prompt you to locate the Plug-Ins folder. Click on "OK" when the folder is found.

4 When the installation is complete, the program will ask if you would like to perform additional installations. Choose "Quit". You should now restart the computer.
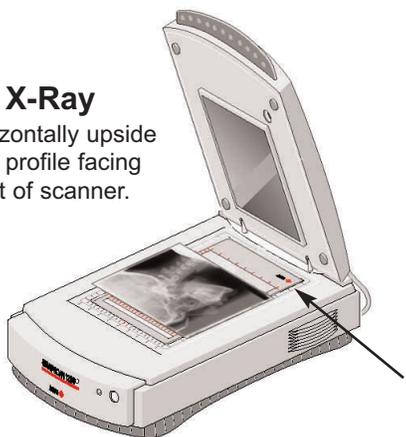
5 After the computer has restarted, locate the "Agfa ScanWise" folder in your hard drive. Open that folder and find the ScanWise icon. We recommend creating an alias of this program and placing the icon on your desktop for easy access.

ScanWise alias icon placed on desktop.

Lateral X-Ray
Place horizontally upside down with profile facing to the right of scanner.

Panoramic X-Ray
Place vertically with the top of panorex facing the right side of scanner.

Placement of scanner template.

1 Completely remove the screw attached to the transparency adapter to allow functionality.

Then, place the large template, included with the transparency adapter, on the scanner glass with the thick end toward the hinge, as shown.

2 Launch the ScanWise software by double-clicking on the ScanWise icon on the desktop. The program will create a preview of the x-ray placed on the scanner.

3 Change the scanner mode from Reflective to Transparent. This will allow the scanner to capture x-ray images.

If the icon shown on your screen is identical to Figure 1, click on the right side of the preview button once. It will change to the icon shown in Figure 2.
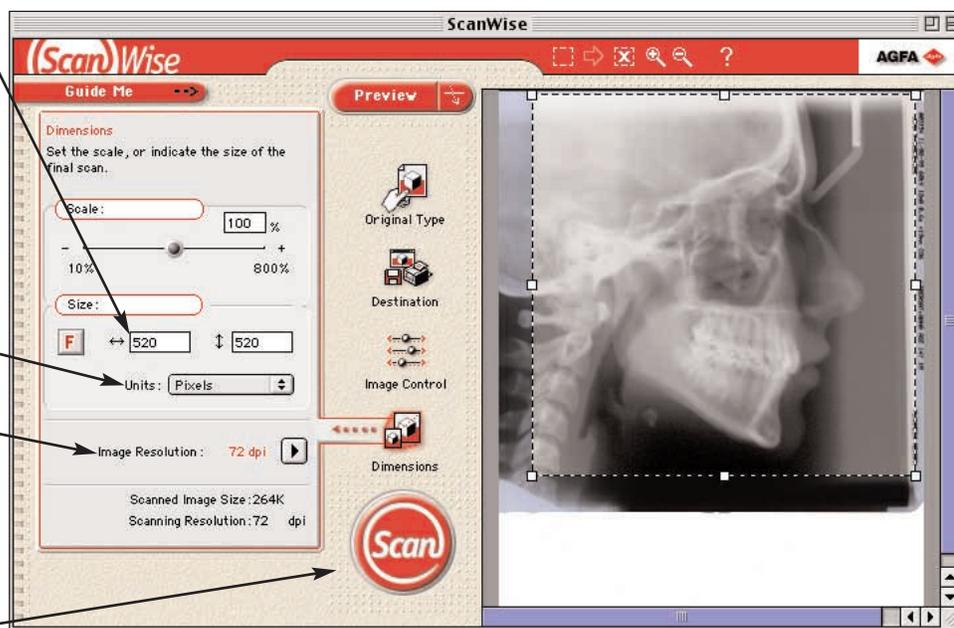
Figure 1 *Reflective*

Figure 2 *Transparent*

4 Make sure that the values listed in these windows correspond to the recommended values shown below for the appropriate program. To adjust these values, drag the marquee handles located around the preview image.

The units should be displayed in pixels.

This area displays the resolution of the image. Check below for the correct resolution for the program you are using.

Click on **Scan** when all settings are correct.

Marquee Settings for QCIPro

QCIPro requires a specific sized image in order to maintain calibration. The marquee area settings should be as follows:

72dpi 515 - 575 W, 470 - 525 H
Ideal Setting: 520 x 520
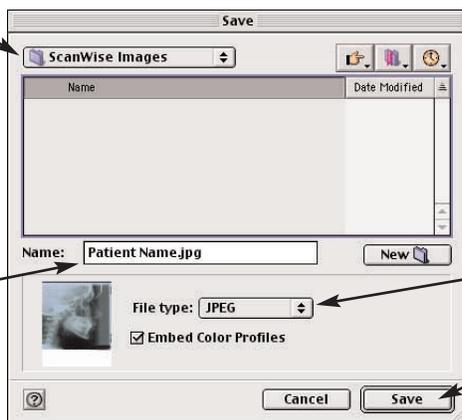
Marquee Settings for QC2000

For QC2000, the image must be set to 144dpi. The dimensions can vary. The marquee area settings should be as follows:

144dpi 1150 -1250 W, 1150 - 1250 H
Ideal Setting: 1150 x 1150

4 After clicking on "**Scan**", the window shown below will appear.

The ScanWise software automatically creates a folder named "ScanWise Images" and places it on the desktop. After clicking on the save button, the image will be scanned and then placed inside this folder.
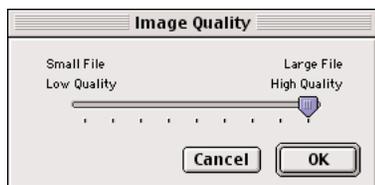
This area allows you to provide the scanned image with a file name. We recommend using the patients' last name.

The file type should be set to JPEG format.

When the settings are correct, click on the "Save" button.
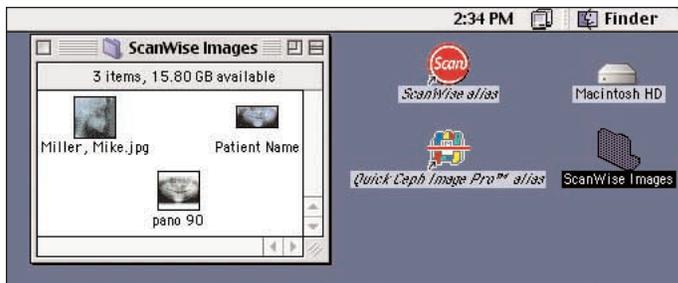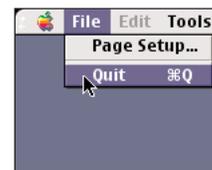
5 This dialog box will appear when the "Save" button is selected. You should select the highest quality scan for the x-ray and click on "OK".

The scanner will now scan the image and place the file in the "ScanWise Images" folder. At this point, you may scan more images or quit the ScanWise program.
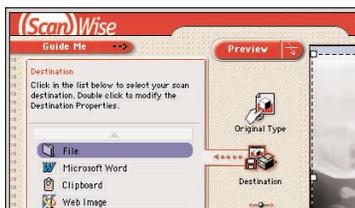
6 To quit the ScanWise program, go to the File menu and choose "Quit".

When you have finished scanning, open the "ScanWise Images" folder and locate your scanned images. Select one and drag and drop it on the QCIPro or QC2000 program icon. The program will then launch. For further information from this point, consult the QCIPro / QC2000 manual.

IMPORTANT: SETTING FILE PREFERENCES

To access the file preferences for this program, click on the "Destination" icon. A menu will appear allowing you to choose the scan destination. Double click on the "File" icon to the left.

A window, like the one below, will appear. You should set the "Image Resolution" here to counter the program's tendency to reset the resolution settings every time the program is launched. Set the image resolution to **72 dpi** for QCIPro. For QC2000, set the resolution to **144 dpi**.

NOTE: By having this option checked, you will be prompted to name the scan when saving.

Quick Ceph™ Systems

At times, you may require more clarity in your x-rays. This page explains how to capture 3 different layers of the x-ray necessary for the 3 x-ray layer enhancement capability of QCIPro and QC2000. Please note that x-rays vary in density so the settings we provide are to be used only as guidelines.

LIGHT LAYER

Using your mouse, slide the small Brightness ball to the right. You should make sure the image displays the soft tissue adequately.

Click on the "**Scan**" button and name this image. Also, note where the image is being saved. The default location is the "ScanWise Images" folder, as previously mentioned.

MEDIUM LAYER

Using your mouse, slide the small Brightness ball back to the middle position. The medium setting emphasizes the cranial bone structure.

Click the "**Scan**" button and name this image.

DARK LAYER

Using your mouse, slide the small Brightness ball to the left to darken the image. You should notice a considerable increase in the clarity of the teeth.
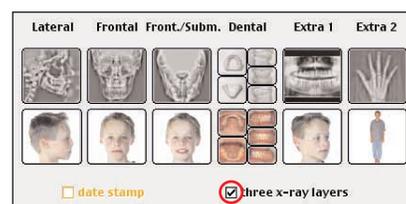
Click the "**Scan**" button and name this image.

PLACEMENT OF X-RAY IMAGES

After scanning, select all three images from the "ScanWise Images" folder and drag them onto the QCIPro or QC2000 icon. After you frame the image and click outside the image window, you will see the Input Dialog Box, shown to the right.
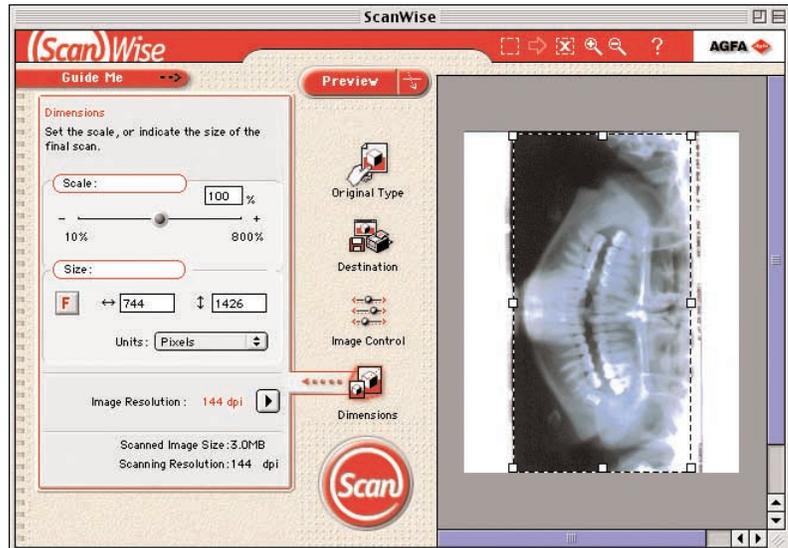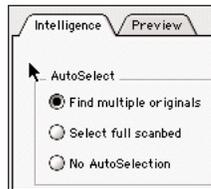
Make sure the "three x-ray layers" option is checked, then click on the lateral x-ray. The images will be entered into the program. Click on the **Enhancement** tool to combine all 3 layers of the x-ray for an enhanced and easy to trace image.

1 Place the panoramic x-ray lengthwise, as shown on Page 2, making sure the condyles are within the border of the scanner template. You should leave a border on both sides of the x-ray.

Click on the "Preview" button after the image has been placed. The image will appear surrounded by a predefined marquee*. Make sure that the image resolution is correct and that the scaling is set to 100%. Before scanning the panoramic x-ray, you will need to rotate the image to a horizontal position.

* If image does not appear with a predefined marquee, you should go to the Tools menu and select "Preferences". Make sure the menu that appears is identical to the one shown below.
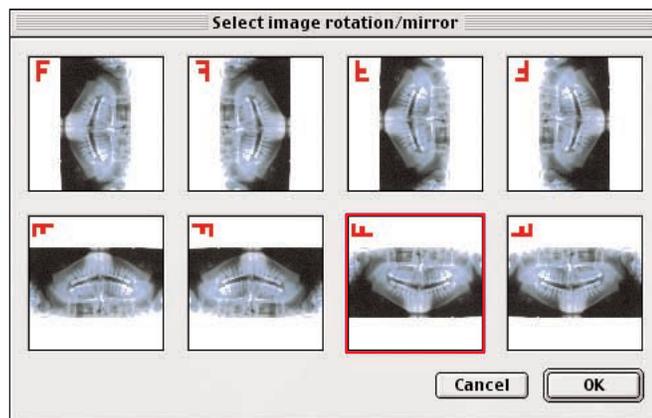

2 **Rotating the Panoramic X-Ray**

To rotate the image, click on the **F** icon. A window will pop up like the one shown to the right.
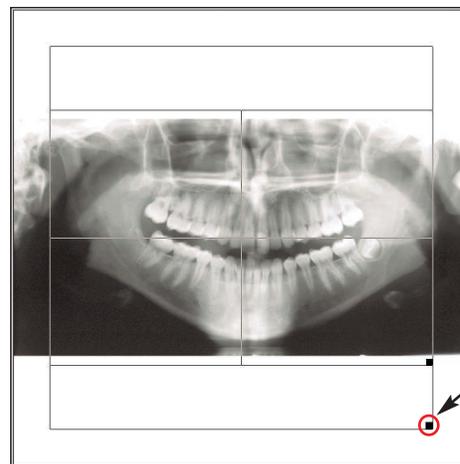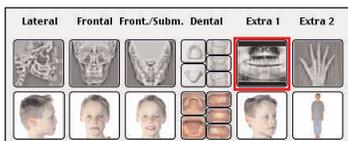
Double-click on the image with the desired orientation to select it. You should choose the horizontal image with the patient's chin facing downward, as highlighted.

You will then be brought back to the ScanWise window. Click on "**Scan**" to scan the image.

3 **Entering the Panoramic X-Ray into QCIPro and QC2000**

To enter the panoramic x-ray, you should hold down the "option" key on the keyboard and drag the image onto the QCIPro or QC2000 icon. The window with the cropping tools will appear as before, but the x-ray image will be centered between two horizontal white borders, one above and one below. Crop the image using the cropping square for the larger image as shown. Once the image is cropped, click outside the cropping window to capture. Click on the Extra 1 x-ray image in the Input Dialog Box to store the image.

Use this square to resize the cropping window for panoramic x-rays.